

Volume

#

R0453

A.

FIELD NOTES

OF THE SURVEY OF THE

North, South and East Boundaries, Retracement and Resurvey
of a Portion of the West Boundary, and Survey of the
Subdivision and Meander Lines of T. 18 S., R. 17 E.; and Survey
of a Portion of the Meander Lines of T. 18 S., R. 16 E.

Of the Salt Lake Base and Meridian,

In the State of Utah.

EXECUTED BY

J. C. Clark

In the capacity of U. S. Surveyor, under Special Instructions dated January 22, 1916,
issued by the United States Surveyor General to govern surveys included in Group
No. 48, which were approved by the Commissioner of the General Land
Office, February 3, 1916, and Assignment Instructions dated May 10, 1920.

Survey commenced May 31, 1920.

Survey completed September 17, 1920.

BOOK A-453

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DATE DIAGRAM

TOWNHIP NO. 18 S., R. 17 E.

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	6/4/20					

Survey commenced May 31, 1920, and executed by J. C.

Clark, U. S. Surveyor, with Young and Sons transits Nos. 8544 and 8570. The instruments are equipped with Smith solar attachments and full vertical circles, and the horizontal limbs are provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude, declination and vertical circles.

The instruments were approved for use on this survey.

Test of Instruments.

by the Assistant Supervisor of Surveys for District No. 6, in assignment instructions dated May 10, 1920, conditional upon satisfactory field tests.

May 30, 1920, at my station in sec. 31, T. 18 S., R. 17 E., in approximate latitude $39^{\circ}13' N.$, approximate longitude $110^{\circ}07' W.$, I examine the adjustments of transit and solar attachment and correct all errors. No. 8570
I then test the solar apparatus by comparing its indications hourly with a true meridian established by a Polaris observation as follows:

May 31, 1920, at 3h 0.8m, a.m., 1. m. t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground about 5 chains N. of my station.

At 7 a.m., app. t., I lay off the azimuth of Polaris, $1^{\circ}27'$ to the west, and mark the meridian with a nail in a stake set firmly in the ground approximately 5 chains N. of my station.

At 9h 0m, a. m., app.. t., I set off $39^{\circ}13' N.$ on the lat. arc; $21^{\circ}57' N.$ on the decl. arc; and note that the line defined by the solar coincides with the true meridian.

At 12h 0m, apparent noon., with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is $21^{\circ}58' N.$, which agrees with the computed declination of the sun.

At 3h 0m, p.m., app. t., with the lat. arc unchanged, I set off $21^{\circ}59' N.$ on the decl. arc; and determine a meridian with the solar which practically coincides with the line obtained by the Polaris observation.

As all of the tests during the hours suitable for solar work practically coincide with the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Test of Instruments.

Sept. 11, 1920, at my station in sec. 7, T. 18 S., R. 17 E., in approximate latitude $39^{\circ}16'$ N., approximate longitude $110^{\circ}07'$ W., I examine the adjustments of transit No. 8544 and correct the levels and parallelism of the solar telescope. Then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At 8h 13.6m, p.m., l. m. t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, by a nail in a peg driven firmly in the ground, about $26 \frac{1}{2}$ chains east of the meridian to the west of the 5th chain N. of my station, and left of the open road.

Sept. 12, 1920, at 7 a.m., app. t., I lay off the azimuth of Polaris, $1^{\circ}27'$ to the west, and note that the meridian hits a crack in a ledge about one mile distant.

At 9h 0m, a.m., app. t., I set off $39^{\circ}16'$ N. on the lat. arc; $4^{\circ}9'$ N. on the decl. arc; and observe that the solar line falls $1\frac{1}{2}'$ W. of the line obtained from Polaris.

At 12h 0m, apparent noon, I set off $4^{\circ}5'$ N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is $39^{\circ}15\frac{1}{2}'$ N., which is within $30''$ of the calculated lat.

At 3h 0m, p.m., app. t., I set off $39^{\circ}16'$ N. on the lat. arc; $4^{\circ}3'$ N. on the decl. arc; and determine a meridian with the solar. This line falls $1'$ W. of the meridian established from the Polaris observation.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

South Boundary of T. 18 S., R. 17 E.

Chains. Meridians were also established in camps in secs. 14 and 26; observations for latitude and declination were taken whenever practicable, and from repeated tests of the solar attachments, the instruments were known to be in adjustment during the survey of this township. All measurements were taken with five and eight chain Lallie steel tapes which were compared frequently with a Lufkin standard one chain steel tape kept for this purpose only; and the distances measured on the slope were reduced to the horizontal by using a Keuffel and Esser clinometer. The observed average magnetic bearing of the true meridian throughout the township is N.16°15'W., which gives the magnetic declination 16°15'E. For test of instrument at the completion of this township, see test at the beginning of survey of T. 17 S., R. 17 E.

South Boundary of T. 18 S., R. 17 E.

- From the cor. of Tps. 18 and 19 S., Rs. 16 and 17 E., in lat. 39°12' N. and longitude 110°07' W., which is an iron post, 3 ins. in diam., extending 24 ins. above ground, firmly set in a mound of stone, correctly marked and witnessed by a mound of stone on the S. East on a true line along the S. bdy. of T. 18 S., R. 17 E., bet. secs. 6 and 31. Desc. 80 ft. over rough and abrupt E. slope, through scattering short undergrowth. 5.00 Descent becomes more gradual, bearing NW. and SE. 9.40 W. rim or vertical wall of Green River Canyon, 160 ft. high, bears N.15°W. and S.15°E.; precipitous descent of 70 ft. from foot of wall over outcroppings and large boulders. 12.55 To right bank of Green River, bears N.15°W. and S.15°E. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for meander cor. of fractional secs. 6 and 31, with brass cap mkd:

South Boundary of T. 18 S., R. 17 E.

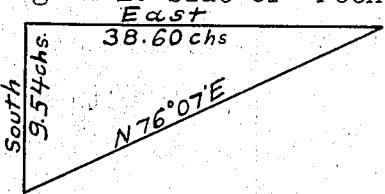
Chains.

T18S		
R17E	S31	MC
	S6	
T19S		
1920		

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

To make a triangulation across the river which is about 8.00 chs. wide, I return to the 8.65 ch. point and set on line a flag on the E. side of Green River Canyon; then measure a base S. 9.54 chs. to a point from which the flag bears N. $76^{\circ}07'E.$; from the flag the S. end of the base bears S. $76^{\circ}07'W.$; therefore the dist. is cot. $13^{\circ}53'$ X base, or $9.54 \times 4.04586 = 38.60$ chs., which added to 8.65 chs. gives 47.25 chs., the length of the line from the Tp. cor. to the flag on E. side of Green River Canyon.

All angles of the triangle were checked by deflection.



Thence, west from the flag of triangulation over boulders and broken ledges on abrupt W. slope.

- 4.50 Vertical ledge, 40 ft. high, bears N. and SE.
 ✓ 8.43 310 ft. below point of triangulation, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 31

S 6

1920

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

- 16.40 Leave ledges and boulders, bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$; continue abrupt descent.

- 22.45 E. rim or vertical wall of Green River Canyon, 200 ft. high, bears N. $10^{\circ}W.$ and S. $10^{\circ}E.$, 360 ft. below $\frac{1}{4}$ sec. cor.

Being impracticable to chain over this wall, I make a triangulation as follows:

South Boundary of T. 18 S., R. 17 E.

Chains.

I designate this station as point A, and set a flag B on line at high water mark on left bank of Green River; also a flag C on left bank which from point A bears N. $50^{\circ}44'W.$; the base BC bears N. $22^{\circ}02'W.$ 5.04 chs. dist. The angle subtended at point C = $28^{\circ}42'$. All angles of the triangle checked by deflection.

Dist. by triangulation = 3.82 chs.

Dist. W. to point A = 22.45 chs.
26.27 chs., dist. from point of first triangulation on E. side of Green River Canyon to flag B of second triangulation, or

26.27 Left bank of Green River, bears N. $22^{\circ}W.$ and S. $22^{\circ}E.$, 245 ft. below top of E. rim of canyon.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for meander cor. of fractional secs. 6 and 31, with brass cap mkd:

	T18S
MC	S31
	S6 - R17E
	T19S
	1920

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.

5 lks. E. of this cor. the main travelled trail from Green River, Utah to McPherson's ranch, bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$.

I return to the 47.25 ch. point, thence E. on true line. Gradual ascent of 15 ft.

48.00 Edge of mesa, bears N. $80^{\circ}E.$ and S. $70^{\circ}W.$; continue gradual ascent.

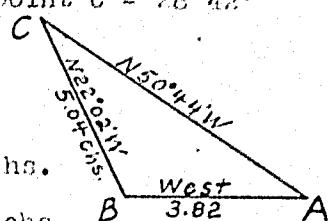
50.50 Edge of same mesa, bears NE. and SW.

51.30 Edge of same mesa, bears N. $60^{\circ}W.$ and S. $60^{\circ}E.$.

54.00 Top of mesa, 15 ft. above W. rim, bears N. $60^{\circ}W.$ and S. $60^{\circ}E.$; desc.

56.90 Descent becomes more abrupt along N. rim of the mesa.

68.80 Leave rim of mesa, bears S. $70^{\circ}E.$ and W.; desc. along N. slope over large boulders and broken ledges.



South Boundary of T. 18 S., R. 17 E.

Chains.

78.82 On top of broken ledge, 30 ft. high, bearing N.85°W. and S.85°E., 225 ft. below top of mesa, set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 5, 6, 31 and 32, with brass cap md:

T18S	R17E
S31	S32
<hr/>	
S6	S5
T19S	
1920	

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land; rugged and abrupt E. and W. sides of Green River Canyon, W. 54.00 chs.; rough N. slope of Rattlesnake Canyon, E. 26.00 chs.

Soil; shallow and rocky red sand lying on bed-rock.

Timber; scattering growth of scrubby cedar, E. $\frac{1}{2}$ mile.

Undergrowth; scattering shadscale and mountain rush.

Formation; sandstone in the form of rims, broken ledges and boulders.

General drainage E. and W. to Green River, W. 54.00 chs., and N. to Rattlesnake Canyon, E. 26.00 chs.

Good growth of bunch grass.

East, bet. secs. 5 and 32.

Desc. 130 ft. over N. slope, along top of vertical ledge, 30 ft. high, bearing N.85°W. and S.85°E., through scattering timber and undergrowth.

2.70 Leave ledge, bears N.85°W. and S.10°E.

7.00 Head of ravine, course N.10°W.; asc. abruptly 580 ft. over a series of vertical ledges 10 to 30 ft. high, bearing N. and S.

20.80 Spur, slopes N.; prominent peak bears S. of line approximately 8.00 chs. dist.; precipitous descent of 375 ft. along N. slope; over large boulders, to

40.00 In bottom of ravine, draining N.20°E., set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to

Geological Survey of Colorado and Wyoming

Chains.

solid rock and in a mound of stone for 1 sec. or more.
with brass cap mkd:

S 32

S 5
1920

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
N. of cor.

Asc. 180 ft. along N. slope.

57.40 Spur, slope N. about 20.00 chs. dist.; desc. 310 ft.

68.80 W. rim of gulch, 20 ft. high, bears NE. and SW.; abrupt
descent of 80 ft.

70.10 Bottom of gulch, drains N. 30°E.; asc. 50 ft.

78.20 E. rim of gulch, bears NE. and SW.; asc. 90 ft. over NW.
slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in
the ground to solid rock and in a mound of stone for
cor. of secs. 4, 5, 32 and 33, with brass cap mkd:

T18S	R17E
S32	S33
S5	S4
T19 S	
1920	

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
N. of cor.

Land; steep and rough mountainous of sandstone in the
form of rims, broken ledges and boulders.

Soil; loose, rocky, red sand from 6 to 24 ins. deep, ly-
ing on bed-rock.

Timber; scattering scrubby cedar and a few pinon pine.

Undergrowth; scattering shadscale, mountain rush and
yellow topo.

Drainage and exposure N.

Excellent growth of bunch grass.

East, bet. secs. 4 and 33.

Desc. gradually 15 ft. over NE. slope, through scatter-
ing timber and short undergrowth.

8.00 E. rim of Rattlesnake Canyon, 10 ft. high, paved rd.

South Boundary of T. 18 S., R. 17 E.

Chains.	SE.; precipitous descent of 310 ft. over large boulders 205 ft.
10.30	Bottom of ravine, course N.; asc. abruptly over broken ledges and boulders.
16.10	Top of ascent, bears E. and W.; desc. abruptly 80 ft.
20.10	Muddy stream of alkali water, 8 lks. wide, 6 ins. deep, in the bottom of Rattlesnake Canyon, course NW.; asc. 210 ft.
32.80	Top of ascent, bears NW. and NE.; desc. gradually 90 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 33 <hr/> $\frac{1}{4}$ S 4 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Timber too scrubby to mark for bearing trees.
40.20	Rugged ravine, 5 ft. below $\frac{1}{4}$ sec. cor., course SW.; asc. 170 ft.
46.30	Rugged spur, slopes SW.; desc. 60 ft.
50.20	Ravine, course SW.; abrupt ascent of 715 ft. over large boulders and outcroppings.
79.30	Broken ledge on N. rim of Rattlesnake Canyon, 140 ft. high, bears N. 10° W. and S. 10° E.; asc. gradually 10 ft.
80.00	On a S. slope, set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 3, 4, 33 and 34, with brass cap mkd:
	T18S | R17E S33 | S34 <hr/> S4 | S3 T19S 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land; steep and rugged N. and S. sides of Rattlesnake Canyon.
	Soil; loose and shallow, rocky, red sand.
	Timber; scattering scrubby cedar and a few pinon pine.

South Boundary of T. 18 S., R. 17 E.

Chains.	Undergrowth; sparse growth of shadscale and yellow top; dense greasewood and rabbit brush in the bottom of Rattlesnake Canyon.
	Drainage NE. and SW. to Rattlesnake Canyon.
	Excellent growth of bunch grass.
	Formation; cliffs, large boulders and broken ledges of red and light colored sandstone.
	East, bet. secs. 3 and 34.
	Over rough mountainous land, through scattering timber and undergrowth; asc. gradually.
0.60	Top of ascent, 5 ft. above sec. cor., bears N.20°E. and W.; desc.
2.80	Enter medium growth of timber, bears N.60°E. and SW.
5.50	Rugged ravine, 40 ft. below top of ascent, course SW.; asc. abruptly 65 ft. over large boulders, broken ledges and outcroppings.
12.50	W. edge of bench, bears N. and S.; asc. gradually.
19.80	Leave bench, bears NE. and SW.; asc. abruptly, over large boulders and broken ledges.
37.00	Spur, slope SW., 290 ft. above W. edge of bench; desc. gradually 20 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 34 — S 3 1920
	from which,
	A pinon pine, 10 ins. diam., bears N.86°45'W., 56 lks. dist., mkd: $\frac{1}{4}$ S 34 B T.
	A pinon pine, 8 ins. diam., bears S.62°45'W., 143 lks. dist., mkd. $\frac{1}{4}$ S 3 B T.
49.60	Top of broken ledge, 40 ft. high, bears NE. and S.70°W.
56.40	Ravine, 195 ft. below $\frac{1}{4}$ sec. cor., course S.30°W.; asc.

South Boundary of T. 18 S., R. 17 E.

Chains.	240 ft. over large boulders and broken ledges, 10 to 15 ft. high, bearing N. and S.
73.40	Edge of Poverty Bench, bears NW. and S.80°E.; thence over nearly level land to . . .
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 2, 3, 34 and 35, with brass cap mkd:
	T18S | R17E S34 | S35 S3 | S2 . T19S 1920
	and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Trees too scrubby to mark to witness cor. Land; rough mountainous of numerous narrow benches with rims 10 to 30 ft. high.
	Soil; rocky, red sand, very shallow, except on benches where it varies from a few ins. to 18 ins. deep, lying on a white clay, hardpan or bed-rock.
	Formation; cliffs, ledges and boulders of sandstone and blue limestone, the latter predominating.
	Timber; scattering pinon pine and scrubby cedar.
	Undergrowth; scattering mountain rush, yellow top and shadscale.
	Excellent growth of bunch grass on benches.
	Drainage SW. to Rattlesnake Canyon.
	Western exposure.

East, bet. secs. 2 and 35.

Over gently rolling Poverty Bench, through scattering short undergrowth and scrubby timber.

27.50	Leave bench, bears NE. and SW.; desc. 225 ft. along S. slope over large boulders and outcroppings.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., with brass cap mkd:

South Boundary of T. 18 S., R. 17 E.

Chains.

S 35

S 2

1920

from which,

A cedar, 10 ins. diam., bears N.58°30'E., 136 lks.

dist., mkd. $\frac{1}{2}$ S 35 B T.

A pinon pine, 5 ins. diam., bears S.89°30'E., 110 lks.

dist., mkd. $\frac{1}{2}$ S 2 B T.42.00 Draw, 45 ft. below $\frac{1}{2}$ sec. cor., course S.; asc. 45 ft.47.20 Spur, slopes S. approximately 15.00 chs. dist.; desc.
205 ft.

57.50 Ravine, course S.; asc.

62.30 Sloping sandstone ledge, 40 ft. high, bears N. and S.

63.80 Spur, 70 ft. above ravine, slopes SW. about 3.00 chs.
dist.; desc. gradually 10 ft. to80.00 On a SE. slope, set an iron post, 3 ft. long, 2 ins.
diam., 24 ins. in the ground for cor. of secs. 1, 2,
35 and 36, with brass cap mkd:

T18S	R17E
S35	S36
<u>S2</u>	
S1	
T19 S	
1920	

from which,

A pinon pine, 8 ins. diam., bears N.41°30'E., 144 lks.
dist., mkd. T 18 S R 17 E S 36 B T.A pinon pine, 8 ins. diam., bears S.60°E., 225 lks.
dist., mkd. T 19 S R 17 E S 1 B T.A cedar limb, 4 ins. diam., bears S.22°30'W., 53 lks.
dist., mkd. T 19 S R 17 E S 2 B T.A pinon pine, 10 ins. diam., bears N.6°W., 207 lks.
dist., mkd. T 18 S R 17 E S 35 B T.Land; gently rolling Poverty Bench, W. 27.50 chs.;
rough S. slope of limestone boulders and outcroppings,
E. 52.50 chs.Soil; rocky, red sand about 8 ins. deep, lying on a
shallow, gummy, brown clay.

Timber; varies from a scattering to a medium growth of

South Boundary of T. 18 S., R. 17 E.

Chains.	<p>cedar and pinon pine.</p> <p>/Undergrowth; scattering short shadscale, yellow top and mountain rush.</p> <p>General drainage S.</p> <p>Excellent growth of bunch grass.</p>
	<p>East, bet. secs. 1 and 36.</p> <p>Desc. 45 ft. over SE. slope, through scattering timber and undergrowth.</p>
3.10	Draw. course S. about 3.00 chs. thence W.; abrupt ascent along SW. slope over large boulders.
20.00	Top of vertical ledge, 25 ft. high, bears NW. and SW.
26.20	Top of vertical ledge, 30 ft. high, bears N.60°W. and SW.
27.50	Top of abrupt ascent, 575 ft. above draw, bears northwesterly and southwesterly; thence over nearly level top of spur, projecting SW. about 12.00 chs. dist.
30.10	Begin abrupt descent of 45 ft., bearing N. and S.
36.00	Head of rugged ravine, course S.; asc. gradually 65 ft.
40.00	At the foot of ledge, 50 ft. high, bearing S. and NW., set an iron post, 3 ft. long, 1 in diam., 8 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	S 36 — S 1 1920
	from which,
	A cedar, 7 ins. diam., bears N.36°W., 31 lks. dist., mkd. $\frac{1}{2}$ S 36 B T.
	A pinon pine, 5 ins. diam., bears S.16°E., 173 lks. dist., mkd. $\frac{1}{2}$ S 1 B T.
42.30	Ridge, 150 ft. above $\frac{1}{2}$ sec. cor., bears NW. and NE.; desc. gradually.
42.50	Enter heavy timber, bears NE. and SW.
50.30	Top of cliff, 70 ft. high, bears N.80°E. and SW.; leave heavy timber, bears NE. and SW., and enter scattering.

South Boundary of T. 18 S., R. 17 E.

Chains.	
50.70	Base of cliff, bears N.80°E. and SW.; desc. abruptly over large boulders along SE. slope.
67.60	Foot of abrupt descent, 426 ft. below ridge, bears NE. and SW.; thence over rolling bench through medium growth of timber.
80.00	On E. edge of bench, 60 ft. below base of ridge, set an iron post, 3 ft. long, 3 ins. diam., over cross(X) at true point, on bed-rock, and surrounded by a large mound of stone for cor. of Tps..18 and 19 S., Rs. 17 and 18 E.; with brass cap mkd:

T18S	
R17E	R18E
S36	S31
SI	S6
T19S	
1920	

from which,

A pinon pine, 8 ins. diam., bears N.78°45'E., 35 lks.
dist., mkd. T 18 S R 18 E S 31 B T.

A pinon pine, 6 ins. diam., bears S.85°30'E., 41 lks.
dist., mkd. T 19 S R 18 E S 6 B T.

A pinon pine, 4 ins. diam.; bears S.16°W., 46 lks.
dist., mkd. T 19 S R 17 E S 1 B T.

A pinon pine, 4 ins. diam., bears N.40°W., 22 lks.
dist., mkd. T 18 S R 17 E S 36 B T.

Land; steep and rough mountains of large boulders, ledge^s, and cliffs of red sandstone and limestone, the former predominating, W. 67.60 chs.; rolling bench, E. 12.40 chs.

Soil; rocky, red sand, shallow, except on bench where it is 12 to 18 ins. deep, lying on bed-rock.

Timber; varies from a scattering to a heavy growth of cedar and pinon pine; few scattering fir, balsam and mahogany in the higher parts.

Undergrowth; scattering shadscale, mountain rush and yellow top.

Excellent grazing, E. 12.40 chs.

General drainage SW.

East Boundary of T. 18 S., R. 17 E.

Chains.

W. 42.30 chs. exposed to the W.; remainder of mile to the S.

East Boundary of T. 18 S., R. 17 E.

From the cor. of Tps. 18 and 19 S., Rs. 17 and 18 E., hereinbefore described,

North on a true line along the E. bdy. of T. 18 S., R. 17 E., bet. secs. 31 and 36.

Desc. gradually 35 ft. along E. edge of bench, over boulders, through a medium growth of timber and scattering undergrowth.

6.00 Leave bench, bears NW. and S.

6.30 Head of ravine, course S.20°E.; precipitous ascent over a series of ledges 15 to 25 ft. high, bearing south-easterly and southwesterly.

13.90 Vertical ledge, 30 ft. high, bears N.80°E. and S.80°W.

21.50 Vertical ledge, 50 ft. high, bears E. and W.

27.20 Sloping ledge, 60 ft. high; bears SE. and NW.

27.60 Ridge, 275 ft. above ravine, bears N.70°E. and S.70°W.; desc.

30.10 Top of vertical ledge, 100 ft. high; bears E. and W.; precipitous descent of 460 ft. from foot of ledge over a series of red sandstone outcroppings, 10 to 15 ft. high, bearing northwesterly and southeasterly.

40.00 On a N. slope, set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 36 S 31
 1920

from which,

A pinon pine, 5 ins. diam., bears N.31°30'E., 65 lks.
dist., mkd. $\frac{1}{2}$ S 31 B.T.

A pinon pine, 4 ins. diam., bears N.76°W., 33 lks.
dist., mkd. $\frac{1}{2}$ S 36 B.T.

46.90 Ravine, 290 ft. below $\frac{1}{2}$ sec. cor., course E.; asc. 35 ft.

East Boundary of T. 18 S., R. 17 E.

Chains.	
48.20	Spur, slopes N.60°E.; desc. 290 ft.
60.50	Draw, course N.30°E.; asc. 20 ft.
61.10	Spur, slopes NE.; desc. 70 ft.
65.60	Dry wash, 25 lks. wide, 6 ft. deep, in the bottom of a S. fork of Poverty Canyon, course NW.; asc. 250 ft. along SE. slope, over a series of white sandstone ledges, 15 ft. high, bearing northeasterly and northwesterly.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 25, 30, 31 and 36, with brass cap mkd:

T18S	
R17E	R18E
S25	S30
S36	S31

1920

from which,

A cedar limb, 5 ins. diam., bears N.0°30'E., 22 lks. dist., mkd. T 18 S R 18 E S 30 B T.

A cedar, 7 ins. diam., bears S.78°30'E., 101 lks. dist., mkd. T 18 S R 18 E S 31 B T.

A cedar, 5 ins. diam., bears S.31°W., 143 lks. dist., mkd. T 18 S R 17 E S 36 B T.

A cedar, 10 ins. diam., bears N.74°45'W., 126 lks. dist., mkd. T 18 S R 17 E S 25 B T.

Land; rugged and abrupt mountains of broken and vertical ledges, and cliffs of red sandstone; outcroppings of limestone; white sandstone, N. 15.00 chs.

S.27.60 chs. drains S. with a southern exposure; remainder of mile drains NW. with a N. and S. exposure.

Soil; rocky, red sand, about 18 ins. deep to bed-rock.

Timber; scattering to a medium growth of cedar and pinon pine, and a few fir and scrubby mahogany.

Undergrowth; scattering mountain rush, shadscale and scrubby mahogany.

Sparse growth of grass.

North, bet. secs. 25 and 30.

East Boundary of T. 18 S., R. 17 E.

Chains.	Asc. abruptly over rough SE. slope, through scattering timber and undergrowth.
1.90	Top of broken ledge, 15 ft. high, bears E. and NW.
4.90	Top of vertical ledge, 10 ft. high, bears E. and N.30°W.
5.00	Ridge, 145 ft. above sec. cor., bears NE. and SW.; desc. 50 ft.
6.00	Draw, course W.; asc. 20 ft.
13.30	Spur, slopes NW.; desc.
16.70	Broken ledge, 60 ft. high, bears N.70°E. and S.70°W.
23.00	Rugged gulch, 240 ft. below spur, course W.; asc.
30.00	Top of vertical ledge, 40 ft. high, bears NW. and SE.
34.40	Spur, 205 ft. above gulch, projects NW. about 7.00 chs. dist.; desc. 230 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	$\frac{1}{4}$ S 25 | S 30 1920
	from which,
	A pinon pine, 10 ins. diam., bears N.38°15'E., 26 lks. dist., mkd. $\frac{1}{4}$ S 30 B T.
	A pinon pine, 10 ins. diam., bears N.54°45'W., 7 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
43.90	Fork of Poverty Canyon, 120 ft. below $\frac{1}{2}$ sec. cor., course W.; asc. abrupt W. slope 305 ft.
53.90	Top of ascent, bears E. and W.; thence over gently rolling top over boulders.
68.70	Top of ledge, 60 ft. high, bears E. and W.; desc. abrupt rugged N. slope 145 ft.
71.80	Main fork of Poverty Canyon, course W.; asc. abruptly over SE. slope 165 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 19, 24, 25, and 30, with brass cap mkd:

East Boundary of T. 18 S., R. 17 E.

Chains.

	T18S
R17E	R18E
S24	S19
S25	S30
	1920

from which,

A pinon pine limb, 5 ins. diam., bears N. $40^{\circ}45' E.$, 83 lks. dist., mkd. T 18 S R 18 E S 19 B T.

A cedar, 4 ins. diam., bears S. $38^{\circ}15' E.$, 12 lks. dist., mkd. T 18 S R 18 E S 30 B T.

A cedar, 6 ins. diam., bears S. $27^{\circ}15' W.$, 77 lks. dist., mkd. T 18 S R 17 E S 25 B T.

A cedar, 6 ins. diam., bears N. $2^{\circ}15' W.$, 40 lks. dist., mkd. T 18 S R 17 E S 24 B T.

Land; rugged and abrupt, line crossing forks of Poverty Canyon over rims, large boulders and broken ledges.

Formation; sandstone and limestone, the latter predominating.

Soil; rocky, red sand, mixed with shale, and very shallow in most places, but as deep as 2 ft. on sides of canyons.

Timber; scattering to a medium growth of cedar and pinon pine.

Undergrowth; sparse growth of yellow top, shadscale and mountain rush.

Exposure; S., S. 4.90 chs. and N. 8.20 chs.; W., remainder of mile.

Drainage W. Sparse growth of grass.

North, bet. secs. 19 and 24.

Asc. gradually along SE. slope, over boulders and broken ledges, through scattering timber.

12.10 Vertical ledge, 20 ft. high, bears N. $5^{\circ} E.$ and S. $20^{\circ} W.$

16.20 Vertical ledge, 40 ft. high, bears E. and S. $10^{\circ} W.$

23.60 Vertical ledge, 40 ft. high, bears SE. and NW.

30.70 Broken ledge, 15 ft. high, bears N. $5^{\circ} E.$ and SW.

40.00 In the head of ravine, draining SE., 615 ft. above sec.

East Boundary of T. 18 S., R. 17 E.

Chains.

cor., set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

$\frac{1}{4}$
S 24 | S 19
1920

from which,

A cedar, 7 ins. diam., bears S. $51^{\circ}30' E.$, 83 lks. dist., mkd. $\frac{1}{4}$ S 19 B T.

A cedar, 8 ins. diam., bears S. $27^{\circ}30' W.$, 69 lks. dist., mkd. $\frac{1}{2}$ S 24 B T.

41.30 Sharp rugged ridge, 40 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.; line crosses this ridge through gap bet. high cliffs which bear 50 lks. NE. and about 4.00 chs. SW. of line; desc. abruptly 170 ft. over large boulders.

48.00 Head of a S. fork of Coal Creek Canyon, course W.; precipitous ascent of 160 ft.

52.00 Base of a series of impassable, vertical cliffs, 30 to 100 ft. high, bearing E. and W.

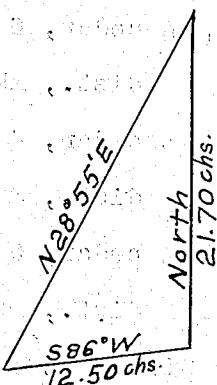
Owing to the abrupt and rough slopes N. of the ridge noted at 41.30 chs., it is impracticable to measure a base line; therefore I return to the 41.23 ch. point and make a triangulation as follows:

Set a flag on line on ridge; then measure a base line S. $86^{\circ}W.$ 12.50 chs. to a point from which the flag bears N. $28^{\circ}55'E.$ From the flag the W. end of the base bears S. $28^{\circ}55'W.$ All angles of the triangle checked by deflection, and are respectively, $94^{\circ}00'$, $57^{\circ}05'$, and $28^{\circ}55'$; their sum being 180° .

Dist. on true line 41.23 chs.

Dist. by triangulation 21.70 chs.

62.93 chs.



62.93 Sharp rugged ridge, 160 ft. above base of cliffs, bears E. and W.; desc. abruptly over a series of impassable ledges and cliffs, 10 to 75 ft. high, bearing E. and

East Boundary of T. 18 S., R. 17 E.

Chains.										
68.00	<p>W.</p> <p>Approximately. Base of impassable ledges and cliffs, bears E. and W.; descent becomes more gradual, bearing NE. and SW.</p> <p>From the triangulation point at 62.93 chs. I determine the remaining distance as follows:</p> <p>Auxiliary flag bears N.58°06'W.; from point on true line the auxiliary flag bears W. 27.70 chs. dist.; all bearings checked by direct reading of the solar, and all angles checked by deflection.</p> <p>Dist. on true line = 62.93 chs.</p> <p>Dist. by triangulation = 17.24</p> <p style="text-align: right;">West 27.70 chs. N.58°06'W. North 17.24 chs.</p> $\begin{array}{r} \overline{62.93} \\ - \overline{17.24} \\ \hline 80.17 \end{array}$ <p>Dist. by return measurement, S. = 0.17</p> $\begin{array}{r} \overline{80.17} \\ - \overline{0.17} \\ \hline 80.00 \end{array}$									
80.00	<p>On an abrupt NW. slope, 620 ft. below base of cliffs, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 13, 18, 19 and 24, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>T18S</td> </tr> <tr> <td>R17E</td> <td>R18E</td> </tr> <tr> <td>S13</td> <td>S18</td> </tr> <tr> <td>S24</td> <td>S19</td> </tr> <tr> <td colspan="2">1920</td> </tr> </table> <p>from which,</p> <p>A pinon pine limb, 4 ins. diam., bears N.37°E., 107 lks. dist., mkd. T 18 S R 18 E S 18 B T.</p> <p>A cedar, 6 ins. diam., bears S.42°45'E., 82 lks. dist., mkd. T 18 S R 18 E S 19 B T.</p> <p>A cedar, 4 ins. diam., bears S.56°30'W., 95 lks. dist., mkd. T 18 S R 17 E S 24 B T.</p> <p>A cedar, 5 ins., diam., bears N.58°30'W., 49 lks. dist., mkd. T 18 S R 17 E S 13 B T.</p> <p>Land; steep and rugged mountains of brown and red sandstone cliffs, pinnacles, ledges and boulders.</p> <p>Soil; shallow red and brown clay, S. 68.00 chs.; red</p>	T18S	R17E	R18E	S13	S18	S24	S19	1920	
T18S										
R17E	R18E									
S13	S18									
S24	S19									
1920										

East Boundary of T. 16 S., R. 17 E.

Chains.	sand 2 or 3 ft. deep, lying on clay, N. 12.00 chs. Timber; scattering to a medium growth of pinon pine and scrubby cedar; few scattering fir, N. 17.00 chs. Undergrowth; sparse growth of mountain rush and yellow top, S. 20.00 chs. Drainage SW. with a southern exposure, S. 41.30 chs.; N. 17.10 chs. drains NW. with a northern exposure; western exposure and drainage remainder of mile. Very little grass.
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North, bet. secs. 13 and 18.

Asc. gradually along NW. slope, over large boulders and
through scattering timber.

- 6.10 Red sandstone ledge, 50 ft. high, bearing NE. and SE.,
bears E. of line 40 lks. dist.; spur, 15. ft. above sec.
cor., slopes NW.; desc.
- 8.90 Vertical ledge, 30 ft. high, bears E. and W.
- 20.00 Ravine, 345 ft. below spur, course W.; asc. 110 ft.
- 24.50 Spur, slopes W.; desc. 255 ft.
- 39.10 Stream of alkali water, 2 lks. wide, 2 ins. deep, in
wash, 20 lks. wide, 3 ft. deep, in the bottom of a fork
of Coal Creek Canyon, course W.; asc. 20 ft. to
- 40.00 On a S. slope, set an iron post, 3 ft. long, 1 in. diam.,
20 ins. in the ground to solid rock and in a mound of
stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

S 13	S 18
1920	

from which,

A cedar 7 ins. diam., bears N. $23^{\circ}30'E.$, 51 lks. dist.,
mkd. $\frac{1}{2}$ S 18 B T.

A cedar limb, 5 ins. diam., bears N. $86^{\circ}W.$, 7 lks. dist.,
mkd. $\frac{1}{2}$ S 13 B T.

Asc. abruptly 85 ft. over large boulders.

- 46.90 Rugged spur, projects SW. approximately 8.00 chs. dist.;
desc. 90 ft.

Legal Boundary of T. 18 S., R. 17 E.

Chains.

- 69.00 Fork of Coal Creek Canyon, course SW.; asc.
- 76.70 Top of broken ledge, 30 ft. high, bears NE. and SW.
- 77.60 Top of broken ledge, 20 ft. high, bears E. and W.
- 78.40 Vertical ledge, 60 ft. high, bears E. and W.
- 80.00 On a rough SE. slope, 275 ft. above fork of Coal Creek Canyon, set an iron post, 3 ft. long, 2 ins. diam., over(X) at true point on bed-rock, and surrounded by a large mound of stone for cor. of secs. 7, 12, 13 and 18, with brass cap mkd:

T18S	
R17E	R16E
S12	S7
S13	S18
1920	

from which,

A pinon pine, 10 ins. diam., bears N.72°E., 182 lms.
dist., mkd. T 18 S R 18 E S 7 B.T.

A pinon pine, 8 ins. diam., bears S.69°45'E., 136 lms.
dist., mkd. T 18 S R 18 E S 18 B.T.

A pinon pine, 6 ins. diam., bears S.89°30'W., 19 lms.
dist., mkd. T 18 S.R 17 E S 13 B.T.

A pinon pine, 12 ins. diam., bears N.79°30'W., 20 lms.
dist., mkd. T 18 S.R 17 E S 12 B.T.

Land; rough mountain of large sandstone boulders, vertical and broken ledges.

Soil; red sand about 18 ins. deep in the bottom of canyons and on some of the spurs, lying on clay from a few ins. to several ft. deep to bed-rock,

Timber; scattering to a medium growth of cedar and pinon pine.

Undergrowth; sparse growth of yellow top and mountain rush; patches of sagebrush in the bottom of canyons.

Drainage W., S. 20.10 chs.; SW., N. 40.90 chs.

Very little grass.

Earth, bet. secs. 7 and 12.

Asc. along rugged SE. slope, through a medium growth of

East Boundary of T. 18 S., R. 17 E.

Chains.

timber.

- 11.70 Red sandstone ledge, 35 ft. high, bears N. 30° E. and S. 30° W.
- 33.80 Vertical ledge, 25 ft. high, bears NE. and SW.
- 37.30 Ridge, 285 ft. above sec. cor., bears E. and W.; desc. 15 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
- | | | |
|------|---------------|-----|
| S 12 | $\frac{1}{4}$ | S 7 |
| 1920 | | |
- from which,
- A pinon pine, 6 ins. diam., bears S. 24° E., 19 lks. dist., mkd. $\frac{1}{4}$ S 7 B T..
- A pinon pine, 10 ins. diam., bears S. 54° W., 42 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.
- 45.10 Head of ravine, 35 ft. below $\frac{1}{4}$ sec. cor., course W.; asc.
- 47.90 Vertical white sandstone ledge, 15 ft. high, bears E. and W.
- 60.00 Broken conglomerate and sandstone ledge, 20 ft. high, bears NE. and SW.
- 72.10 Spur, 230 ft. above head of ravine, projects W. about 3.00 chs. dist.; desc. 110 ft.
- 76.70 Ravine, course W.; asc. 15 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 1, 6, 7 and 12, with brass cap mkd:

T18S	
R17E	R18E
S1	S6
S12	S7
1920	

from which,

A pinon pine limb, 8 ins. diam., bears N. $33^{\circ}45'$ E., 52 lks. dist., mkd. T 18 S R 18 E S 6 B T.

A cedar, 8 ins. diam., bears S. $38^{\circ}30'$ E., 23 lks. dist., mkd. T 18 S R 18 E S 7 B T.

East Boundary of T. 18 S., R. 17 E.

Chains.	<p>A cedar, 8 ins. diam., bears S.$74^{\circ}45'W.$, 8 lks. dist., mkd. T 18 S R 17 E S 12 B T.</p> <p>A pinon pine limb, 4 ins. diam., bears N.$16^{\circ}15'W.$, 73 lks. dist., mkd. T 18 S R 17 E S 1 B T.</p> <p>Land; rough mountainous with large boulders, outcroppings and broken ledges.</p> <p>Formation; white sandstone, red sandstone, shale and conglomerate.</p> <p>Soil; red sand, 2 or 3 ft. deep in places, lying on a clay subsoil or bed-rock, while clay lies on the surface in other parts.</p> <p>Timber; medium to a heavy growth of cedar and pinon pine.</p> <p>Undergrowth; sparse growth of mountain rush, black sage-brush and scrubby mahogany. Poor grazing.</p> <p>Drainage SE. with a southern exposure, S.. 37.30 chs.; drainage and exposure W., remainder of mile.</p>
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North, bet. secs. 1 and 6.

Over rough mountainous land, through a medium growth of timber; asc. gradually 20 ft. over S. slope.

- 1.50 Spur, projects NW. about 8.00 chs. dist.; desc. 55 ft.
- 4.00 Ravine, course NW.; asc. 55 ft.
- 7.10 Spur, slopes W.; desc. 40 ft.
- 15.60 Ravine, course W.; asc. 140 ft.
- 23.50 Spur, slopes SW.; desc. 150 ft.
- 27.80 Head of gulch, course W.; asc. 150 ft.
- 34.50 Broken ledge, 50 ft. high, bears NW. and SE.
- 37.00 Spur, slopes S. $30^{\circ}W.$; desc. gradually 20 ft. to
- 40.00 On a NW. slope, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 1	S 6
-----	-----

1920

from which,

North Boundary of T. 18 S., R. 17 E.

Chains.	A pinon pine, 14 ins. diam., bears N.14°15'E., 19 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.
	A pinon pine, 10 ins. diam., bears S:43°W., 29 lks. dist., mkd. $\frac{1}{2}$ S 1 B T.
40.50	Dripping Springs Canyon, 5 ft. below $\frac{1}{4}$ sec. cor., course SW.; asc. 65 ft.
43.30	Red shale spur, projects E. about 1.00 ch. dist.; desc. 30 ft.
44.40	Head of Dripping Springs Canyon, course SE.; asc.
47.20	Broken ledge, 40 ft. high, bears E. and NW.; asc. abruptly 690 ft. over a series of outcroppings and boulders.
69.80	Rugged ridge, bears NW. and SE.; desc. rough NE. slope 105 ft. to
80.36	Set temp. cor. for Tps. 17 and 18 S., Rs. 17 and 18 E.; true point for cor. falls at 80.77 chs. and witnessed by a cor. later established at 80.36 chs.; for description see notes for line bet. secs. 1 and 36, on the N. bdy. of this Tp.
	Land; entire mile rugged with boulders, outcroppings and broken ledges of white and red sandstone, red shale and conglomerate formation; very steep, N. 39.50 chs.
	Soil; shallow red sand in places, but mostly rock exposed.
	Timber; medium to a heavy growth of cedar and pinon pine, scattering fir and mahogany, N. 10.00 chs.
	No undergrowth or grass.
	S. 69.80 chs. slopes generally to the W., and drains SW. remainder of mile drains SE. with an eastern exposure.

North Boundary of T. 18 S., R. 17 E.

	From the temp. cor. of Tps. 17 and 18 S., Rs. 17 and 18 E., just established,
	West on a random line, along the N. bdy. of T. 18 S., R. 17 E., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.
407.70	Left bank of Green River, set temp. meander cor.

North Boundary of T. 18 S., R. 17 E.

Chains.

To determine the dist. across, I set a flag ^{on line} on right bank of the river; then measure a base line S. $50^{\circ}30'W.$ 11.40 chs. to a point, from which the flag bears N. $29^{\circ}W.$ From the flag the S. end of the base bears S. $29^{\circ}E.$; by separate measurement of each angle they are found respectively $39^{\circ}30'$, $79^{\circ}30'$ and $61^{\circ}00'$; their sum being equal to $180^{\circ}00'$.

Dist. on random line = 407.70 chs.

Dist. by triangulation = 12.82

Dist. E. by return	420.52
measurement to high	1.42
water mark	<u>419.10</u>

West

12.82 chs.

Z
S. 29°WS. 50°30'W
11.40 chs.

419.10 Right bank of Green River, set temp. meander cor.

Approximately 2.00 chs. W. of this temp. cor. line passes over the W. rim or wall of canyon, which makes chaining impracticable; therefore I return to the temp. meander cor. on left bank and make a triangulation across the canyon as follows:

Set a flag on line on W. side of canyon; then by using the same base as measured for determining the dist. across the river, this flag bears N. $51^{\circ}05'W.$ from the S. end of the base. From the flag the S. end of the base bears S. $51^{\circ}05'E.$; by separate measurement of each angle they are found respectively $39^{\circ}30'$, $101^{\circ}35'$ and $38^{\circ}55'$; their sum being equal to $180^{\circ}00'$.

Dist. on random line = 407.70

West

17.78 chs.

Dist. by triangulation = 17.78

Dist. E. by return	425.48
measurement to top of wall	0.48
	<u>425.00</u>

Z
S. 51°05'WS. 50°30'W
11.40 chs.

478.10 Intersect the W. bdy. of the Tp., 41 lks. S. of the cor. of Tps. 17 and 18 S., Rs. 16 and 17 E., which is an iron post, 3 ins. diam., extending 18 ins. above ground and surrounded by a mound of stone, firmly set, correctly marked, and witnessed on the S. by a mound of stone, 3 ft. base, $\frac{1}{2}$ ft. high.
Thence, from this Tp. cor.

East, on a true line bet. secs. 6 and 31.

Asc. abruptly 170 ft. over outcroppings along SE. side

North Boundary of T. 18 S., R. 17 E.

- Chains. of Range Creek Canyon, through scattering short under-growth.
- 6.50 Vertical ledge, 10 ft. high, bears NE. and SW.
- 16.30 Ridge, bears NE. and SW.; desc. 135 ft.
- .23.10 Head of draw, course S.; asc. 15 ft.
- 24.90 Spur, projects S.20°E. about 3.00 chs. dist.; desc. 115 ft..to
- 38.10 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:
- S.31
—
 $\frac{1}{4}$
S 6
1920
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 40.70 Draw, 15 ft. below $\frac{1}{4}$ sec. cor., course S.10°E.; asc. 35 ft.
- 45.40 Spur, slopes S.20°E.; desc. gradually.
- 52.62 Point of triangulation.
- 53.10 W. rim or ^{broken} wall of Green River Canyon, 140 ft. high, bears N.60°E. and S.60°W.
- 57.00 Foot of wall, bears N.60°E. and S.60°W.; desc. abruptly 70 ft..to
- 59.00 Right bank of Green River, bears N.60°E. and S.60°W. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for meander cor. of fractional secs. 6 and 31, with brass cap mkd:
- T17S
S31
R17E — S6 MC
T18S
1920
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. bears N.60°E. and S.60°W.
- 70.40 Left bank of Green River and point of triangulation. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for meander cor.-of fractional secs. 6 and 31, with brass cap mkd:

North Boundary of T. 18 S., R. 17 E.

Chains.

T173	
S31	R17E
35	
T183	
1920	

from which,

A boxelder, .14 ins. diam., bears N.49°E., 57 lks. dist., mkd. T 17 S R 17 E S 31 M C B T.

A boxelder, 6 ins. diam., bears N.73°46'E., 126 lks. dist., mkd. T 18 S R 17 E S 6 M C B T.

Thence, over nearly level canyon bottom, through dense greenwood, bearing N.60°E. and S.60°E.

74.10 Leave canyon bottom, bears N.70°E. and S.70°E.; precipitous ascent of 105 ft. to sec. cor.

74.40 Broken ledge, 50 ft. high, bears N.70°E. and S.70°E.

78.10 On a broken ledge, 10 ft. high, bearing NE. and SE., set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in crevice and surrounded by a mound of stone for cor. of secn. 5, 6, 31 and 32, with brass cap mkd:

T173	R17E
S31	S32
35	35
T183	
1920	

from which,

A cedar, 5 ins. diam., bears N.84°30'E., 62 lks. dist., mkd. T 17 S R 17 E S 32 M C B T.

A pinon pine, 12 ins. diam., bears S.11°30'E., 39 lks. dist., mkd. T 18 S R 17 E S 5 M C B T.

A cedar, 7 ins. diam., bears S.25°45'E., 86 lks. dist., mkd. T 18 S R 17 E S 6 M C B T.

As there are no trees available in sec. 31, I raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor.

Land; rough mountains with outcroppings and boulders, W. 53.10 chs.; line crosses the abrupt and rugged sides of Green River Canyon, E. 25.00 chs.

Soil; shallow red sand, lying on a light clay about 1 ft. deep to bed-rock; deep sandy loam in the bottom of Green River Canyon.

/Timber; scattering scrubby cedar; few boxelder trees along left bank of river.

North Boundary of T. 18 S., R. 17 E.

Chains.	Undergrowth; medium growth of yellow top and mountain rush, W. 53.10 chs.; dense greasewood and willows along river bottoms.
	Drainage NW. to Range Creek, W. 16.30 chs.; remainder of mile drains generally into Green River.
	Sandstone formation. Fair growth of grass.
	East, bet. secs. 5 and 32.
	Asc. 45 ft. over rough NW. slope, through scattering timber and undergrowth.
3.30	Spur, slopes N.; desc. 30 ft.
6.70	Ravine, drains N.; asc. 320 ft.
27.90	Spur, projects NW. about 25.00 chs. dist.; desc. 45 ft.
31.90	Ravine, course NW.; asc. abruptly over series of vertical ledges, 20 to 40 ft. high, bearing N. and S.
37.30	Vertical ledge, 60 ft. high, bears N. and S.
38.30	Rim-rock, 25 ft. high, bears NE. and S., on W. edge of bench, 425 ft. above ravine; asc. gradually 20 ft. to
40.00	Set an iron post; 3 ft. long, 11 in. diam., 10 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	S. 32
	$\frac{1}{4}$
	S. 5.
	1920
	from which,
	A cedar, 10 ins. diam., bears N. $66^{\circ}15'W.$, 188 lks. dist., mkd. $\frac{1}{4}$ S 32 B.T.
	A cedar, 4 ins. diam., bears S. $6^{\circ}15'W.$, 151 lks. dist., mkd. $\frac{1}{4}$ S 5 B.T.
52.80	E. edge of bench, 10 ft. above $\frac{1}{2}$ sec. cor., bears NW. and SE.; enter heavy timber, bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$; desc. gradually 100 ft. along N. slope, over white sandstone boulders and broken ledges to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 4, 5, 32 and 33, with brass cap mkd:

North Boundary of T. 18 S., R. 17 E.

Chains.	T17S | R17E S32 | S33 ---+--- S5 | S4. T18S 1920
	from which,
	A cedar, 7 ins. diam., bears N.33°E., 51 lks. dist., mkd. T 17 S R 17 E S 33 B T.
	A pinon pine, 10 ins., diam., bears S.11°45'E., 42 lks. dist., mkd. T 18 S R 17 E S 4 B T.
	A pinon pine, 12 ins. diam., bears S.82°15'W., 48 lks. dist., mkd. T. 18 S R. 17 E S 5 B T. . .
Land;	A pinon pine, 8 ins. diam., bears N.44°30'W., 91 lks. dist., mkd. T 17. S R 17 E S 32 B T.
	abrupt NW. slope of Green River Canyon of sandstone cliffs, ledges and large boulders; W. 38.30 chs.; rough N. slope of white sandstone boulders and outcroppings, E. 41.70 chs.
	Soil; shallow red sand, lying on a light clay about 1 ft. deep to bed-rock.
Timber;	cedar and pinon pine.
	Undergrowth; yellow top, shadscale and mountain rush, dense E. $\frac{1}{2}$ mile and scattering W. $\frac{1}{2}$ mile.
	General drainage NW. Fair growth of bunch grass.

East, bet. secs. 4 and 33.

Over rough mountainous land, through heavy timber and scattering undergrowth; desc. 5 ft.

- 0.20 Ravine, course N.20°W.; asc.
- .2.80 Leave heavy timber, bears N.10°W. and S.10°E., and enter scattering.
- 6.00 Vertical ledge, 30 ft. high, bears N. and S.
- 13.30 Leave timber, bears N. and S.
- 15.00 Spur, slopes N.15°W., 290 ft. above ravine; desc. 145 ft.
- 18.30 Enter scattering timber, bears N. and S.
- 24.40 Ravine, course N.; asc. 75 ft.
- 29.40 Spur, slopes N.; desc. 85 ft.
- 38.90 Ravine, course N.; asc. 35 ft. to

North Boundary of T. 18 S., R. 17 E.

Chains.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

$$\begin{array}{r} \text{S } 33 \\ \hline \frac{1}{4} \\ \text{S } 4 \\ \hline 1920 \end{array}$$

from which,

A cedar limb, 6 ins. diam., bears N. $34^{\circ}45' E.$, 37 lks. dist., mkd. $\frac{1}{2} S 33 B T.$

A cedar limb, 6 ins. diam., bears S. $24^{\circ}15' W.$, 54 lks. dist., mkd. $\frac{1}{4} S 4 B T.$

Precipitous ascent of 400 ft. over rugged NW. slope.

- 69.50 Rim of mesa, 20 ft. high, bears NE. and SW.; enter heavy timber, bears NE. and SW.; thence over nearly level land.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 3, 4, 33 and 34, with brass cap mkd:

$$\begin{array}{c|c} \text{T17S} & \text{R17E} \\ \hline \text{S33} & \text{S34} \\ \hline \text{S4} & \text{S3} \\ \hline \text{T18S} \\ \hline 1920 \end{array}$$

from which,

A pinon pine, 4 ins. diam., bears N. $25^{\circ}15' E.$, 20 lks. dist., mkd. T 17 S R 17 E S 34 B T.

A pinon pine, 10 ins. diam., bears S. $42^{\circ}30' E.$, 70 lks. dist., mkd. T 18 S R 17 E S 3 B T.

A cedar limb, 8 ins. diam., bears S. $13^{\circ}30' W.$, 95 lks. dist., mkd. T 18 S R 17 E S 4 B T.

A pinon pine limb, 10 ins. diam., bears N. $73^{\circ}W.$, 75 lks. dist., mkd. T 17 S R 17 E S 33 B T.

Land; general N. slope with sandstone and limestone outcroppings of broken ledges and large boulders, W. 69.50 chs.; gently rolling mesa, E. 10.50 chs.

Soil; red sand about 12 to 18 ins. deep on spurs and on mesa, lying on bed-rock; mostly rock exposed in other portions of mile.

/ Timber; cedar and pinon pine.

North Boundary of T. 18 S., R. 17 E.

Chains.	Undergrowth; yellow top, shadscale and mountain rush, dense on spurs W. $\frac{1}{2}$ mile.
	General drainage W. Excellent growth of bunch grass on slopes of spurs, W. $\frac{1}{2}$ mile.
	East, bet. secs. 3 and 34.
	Over gently rolling top of mesa, through heavy timber.
2.30	Rim of mesa, 10 ft. high, bears N.60°E. and S.60°W.; enter, a medium growth of timber, bears N.60°E. and S.60°W.; desc. abruptly over rough SE. slope 185 ft.
19.70	Broken ledge, 25 ft. high, bears NW. and SE., in head of ravine, course SW.; precipitous ascent of 140 ft.
22.40	Rim-rock, 40 ft. high, bears NW and SE.; asc. gradually 10 ft. over gently rolling mesa.
30.20	Rim-rock, 30 ft. high, bears NE. and SW., on edge of mesa; desc. abruptly 150 ft. over rugged SE. slope to shelf on
40.00	On a broken ledge 40 ft. high, bearing NE. and SW., set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	S 34 — $\frac{1}{4}$ S 3 1920
	The trees being too scrubby to mark, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
55.80	Vertical ledge, 50 ft. high, bears NE. and NW.
65.40	Fork of Saleratus Canyon, 515 ft. below 4 sec. cor., course S. about 10.00 chs. dist., thence SW.; precipitous ascent of 405 ft. over rough W. slope to sec. cor.
79.00	Vertical ledge, 70 ft. high, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 2, 3, 34 and 35, with brass cap mkd:
	T17S | R17E S34 | S35 — S3 | S2 T18S 1920
	from which,
	A pinon pine, 20 ins. diam., bears N.68°30'E., 65 lks. dist., mkd. T 17 S R 17 E S 35 B T.

North Boundary of T. 18 S., R. 17 E.

Chains.	A cedar, 6 ins. diam., bears S.49°30'E., 34 lks. dist., mkd. T 18 S R 17 E S 2 B T.
	A cedar, 6. ins. diam., bears S.7°45'W., 19 lks. dist., mkd. T 18 S R 17 E S 3 B T.
	A cedar, 6 ins. diam., bears N.83°W., 33 lks. dist., mkd. T.17.S.R 17 E S 34 B T.
	Land; steep and rugged mountains of sandstone cliffs, rims, broken ledges and large boulders.
	Soil; red sand, shallow, except on mesas where it is about 1 to 1½ ft. deep, lying on bed-rock.
	Timber; cedar and pinon pine.
	Undergrowth; sparse growth of yellow top, shadscale and mountain rush.
	General southern exposure and drainage. Very little grass.

East, bet. secs. 2 and 35.

Over steep and rough mountainous land, through scattering timber and undergrowth; asc.

- 4.50 Vertical ledge, 30 ft. high, bears NE. and S.
- 5.90 Spur, 210 ft. above sec. cor., projects S.70°W. about 2.00 chs., thence S.20°W.; desc. 25 ft.
- 18.60 Draw, course S.; asc. 45 ft.
- 22.28 Set flag for triangulation, 21 lks. N. of this point.
- 22.50 Red shale spur, projects S. about 12.00 chs. dist.; desc. abruptly.
- Vertical white sandstone ledge, 100 ft. high, bears N.80°E. and SW.
- 34.20 Vertical red shale ledge, 30.ft. high, bears N. and S.80°W.
- 40.00 At the base of abrupt descent, 460 ft. below spur, set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock and in a mound of stone for sec. cor., with brass cap mkd:

S 35

$\frac{1}{2}$ _____
S 2
1920

from which,

North Boundary of T. 18 S., R. 17 E.

- Chains.
- A cedar, 6 ins. diam., bears N.19°15'E., 11 lks. dist., mkd. $\frac{1}{4}$ S 35 B T.
- A cedar, 16 ins. diam., bears S.36°E., 13 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.
- 40.60 Dry wash, 100 lks. wide, 1 ft. deep, in the bottom of a fork of Saleratus Canyon, from N.60°E., course S.; asc. abruptly.
- 60.70 Vertical ledge, 60 ft. high, bears N.30°E. and S.30°W.
- 74.70 Vertical ledge, 50 ft. high, bears N. and S.
- 80.00 On an abrupt W.-slope, 870 ft. above bottom of Saleratus Canyon, set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 1, 2, 35 and 36, with brass cap mkd:

T17S	R17E
S35	S36
S2	S1
T18S	
1920	

from which,

A cedar limb, 4 ins. diam., bears N.50°45'E., 45 lks. dist., mkd. T 17 S R 17 E S 36 B T.

A pinon pine, 8 ins. diam., bears S.83°45'E., 46 lks. dist., mkd. T 18 S R 17 E S 1 B T.

A cedar limb, 10 ins. diam., bears S.24°45'W., 55 lks. dist., mkd. T 18 S R 17 E S 2 B T.

A pinon pine, 8 ins. diam., bears N.5°45'W., 79 lks. dist., mkd. T 17 S R 17 E S 35 B T.

Land; entire mile steep and rugged with large boulders, ledges and cliffs.

Soil; shallow red sand; mostly rock exposed.

Formation; red shale and sandstone.

Timber; scattering to a medium growth of cedar and pinon, and few mahogany.

Undergrowth; sparse growth of service-berry.

Exposure and drainage, S.

No grass.

North Boundary of T. 18 S., R. 17 E.

Chains.	East, bet. secs. 1 and 36.
	Asc. abrupt and rough W. slope 5 ft., through scattering timber.
0.50	Spur, slopes S.; desc. abruptly 425 ft.
22.60	Head of ravine, course S.20°W.; asc. 140 ft.
26.00	Broken ledge, 60 ft. high, bears N. and S.
26.40	Spur, projects S. about 15.00 chs. dist.; precipitous descent of 335 ft. over a series of ledges 25 to 60 ft. high, bearing N. and S.
35.40	Seepage, of alkali water in the bottom of Saleratus Canyon, course S.; abrupt ascent of 230 ft. to
40.00	On a rugged W. slope, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	S 36 — S 1 1920
	from which,
	A balsam, 14 ins. diam., bears N.34°W., 58 lks. dist., mkd. $\frac{1}{2}$ S 36 B T.
	A balsam, 12 ins. diam., bears S.11°45'W., 34 lks. dist., mkd. $\frac{1}{2}$ S 1 B T.
	Continue abrupt ascent of 940 ft. over large boulders and broken ledges, 15 to 30 ft. high, bearing NW. and SE. Ridge, bears N.20°W. and S.20°E.; desc. abruptly.
70.00	
75.30	Vertical ledge, 50 ft. high, bears N. and S.
80.00	Intersect the E. bdy. of the Tp., 41 lks. N. of the temp. Tp. cor., and as the point of intersection falls on a sloping ledge 80 ft. high, making it impossible to set the post or cut a cross(X) at true point, I establish a witness cor. 41 lks. S. of this point, on top of the ledge, bearing N.30°W. and S.30°E., 370 ft. below top of ridge, by setting an iron post, 3 ft. long, 3 ins. diam., 20 ins. in the ground to bed-rock and in a mound of stone for witness cor. of Tps. 17 and 18 S., Rs. 17 and 18 E., with brass cap mkd:

Retracement of a Portion of the W. Boundary of T. 18 S., R. 17

Chains.	T17S W.C. R17E | R18E S36 | S31 S1 | S6 T18S 1920							
	from which,							
	A pinon pine; 7 ins. diam., bears N.15°15'E., 11 lks. dist., mkd. T 17 S R 18 E S 31 W C B T.							
	A balsam; 12 ins. diam., bears S.37°15'E., 111 lks. dist., mkd. T 18 S R 18 E S 6 W C B T.							
	A pinon pine, 10 ins. diam., bears S.40°15'W., 76 lks. dist., mkd. T 18 S R 17 E S 1 W C B T.							
	A pinon pine, 12 ins. diam., bears N.41°W.; 133 lks. dist., mkd. T 17 S R 17 E S 36 W C B T.							
	Therefore, the length of the line bet. secs. 1 and 6 is 80.77 chs.							
Land; very steep and rugged with large boulders, ledges and cliffs of red sandstone and white sandstone; also red shale cliffs.								
Soil; shallow red sand in places, but mostly rock exposed.								
Timber; scattering cedar, fir, pinon pine and few mahogany.								
Undergrowth; scattering growth of service-berry bushes.								
Exposure S., W. 35.40 chs.; E. 10.00 chs. drains SE. and slopes to the E.; remainder of mile exposed to the W.; W. 70.00 chs. drains SW. No grass.								

Retracement of a Portion of W. Bdy. of T. 18 S., R. 17 E.

From the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of T. 18 S., R. 17 E., which is an iron post, 3 ft. long, 3 ins. diam., set firmly in a mound of stone, correctly mkd. and witnessed by four bearing trees. N.0°02'E. on a retracement line on the S. $\frac{1}{2}$ mile bet. secs. 7 and 12.
39.36 Meander cor. of fractional secs. 7 and 12 destroyed by high water; find bearing tree, which is a cottonwood, 12 ins. diam., plainly mkd. T 18 S R 16 E S 12 M C B T, uprooted.

Resurvey of a Portion of the W. Boundary of T. 18 S., R. 17 E.

Chains.	From the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp., hereinbefore described.
	N. 0°02' E. on a resurvey line on S. $\frac{1}{2}$ mile bet. secs. 7 and 12.
	Desc. 45 ft. over NW. slope, through scattering timber and undergrowth.
1.00	Leave timber, bears NE. and SW.
5.30	Ravine, course NE.; asc. 35 ft.
10.00	Spur, slopes E. about 1.00 ch. dist.; desc. 120 ft.
27.80	Ravine, course E.; asc. 40 ft.
31.20	Spur, slopes E. about 2.00 chs. dist.; desc. 45 ft. to
35.92	On shelf on top of vertical wall, 45 ft. high, bearing NW. which is high water mark and SE., set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bed-rock and in a mound of stone for meander cor. of fractional secs. 7 and 12, with brass cap mkd:
	MC S12 | S7 R16E | R17E T18S 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of Cor.
	Land; rough NE. slope of Green River Canyon.
	Soil; rocky, red sand, 6 to 18 ins. deep, lying on bed-rock.
	Timber; cedar.
	Undergrowth; medium growth of yellow top, shadscale and mountain rush.
	Drainage NE. Fair growth of bunch grass.
	Sandstone formation.

Subdivision of T. 18 S.; R. 17 E.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., hereinbefore described,

N. 0°01' W., bet. secs. 35 and 36.

Asc. abruptly 270 ft. along SE. slope, over boulders and outcroppings, through scattering timber and undergrowth.

Subdivision of T. 18 S., R. 17 E.

Chains.

- 3.70 Vertical ledge, 20 ft. high, bears E. and W.
- 12.60 Vertical rim of Poverty Bench, 15 ft. high, bears N.70°E. and S.70°W.; thence over nearly level land, through heavy timber, bearing E. and W.
- 28.00 Broken rim on the N. edge of Poverty Bench, 5 ft. high, bears E. and W.; desc. abruptly over large boulders and broken ledges. Leave heavy timber, bears E. and W., and enter a medium growth.
- 34.80 Vertical ledge, 25 ft. high, bears E. and W.
- 37.20 Head of ravine, 400 ft. below N. rim of bench, course N.10°W.; asc. gradually 10 ft. to
- 40.00 On a W. slope, set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
- | | | |
|------|---------------|------|
| S 35 | $\frac{1}{4}$ | S 36 |
| 1920 | | |
- from which,
- A pinon pine, 5 ins. diam., bears N.33°15'E., 45 lks. dist., mkd. $\frac{1}{2}$ S 36 B T.
- A pinon pine, 7 ins. diam., bears S.5°45'W., 62 lks. dist., mkd. $\frac{1}{2}$ S 35 B T.
- 45.60 Spur, 10 ft. above $\frac{1}{2}$ sec. cor., slopes NE.; desc. 55 ft.
- 47.60 Ravine, course N.70°E.; asc. 130 ft.
- 60.20 Vertical ledge, 40 ft. high, bears NW. and SE., on top of spur, sloping NE.; desc. abruptly 345 ft. over rough NW. slope.
- 75.30 Dry wash, 30 lks. wide, 18 ins. deep, in the bottom of Poverty Canyon, course N.70°W.; asc. abruptly 120 ft. to sec. cor.
- 80.00 On a rough S. slope, set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 25, 26, 35 and 36, with brass cap mkd:

T18S | R17E
S26 | S25
S35 | S36

1920

Unable to mark trees for accessories to cor., as they are inaccessible due to cliffs; therefore I raise a mound

Subdivision of T. 18 S., R. 17 E.

Chains.	of stone, 2 ft. base, 1½ ft. high, W. of cor. Land; abrupt and rough mountainous with sandstone and limestone outcroppings, large boulders and cliffs. Soil; very shallow, rocky, red sand. Timber; cedar and pinon pine; few scattering cottonwood in the bottom of Poverty Canyon. Undergrowth; scattering yellow top, shadscale and mountain rush. S. 12.60 chs. slopes and drains S. to Rattlesnake Canyon; N. 67.40 chs. drains generally to the W. with a N. and S. exposure. Excellent growth of bunch grass.
	East on a random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the E. bdy. of the Tp., 11 lks. N. of the cor. of secs. 25, 30, 31 and 36, hereinbefore described. Thence, ✓ N. 89° 55' W., on a true line bet. secs. 25 and 36. Asc. 20 ft. over rocky E. slope, through scattering timber and undergrowth.
1.30	Spur, projects S. about 15.00 chs. dist.; desc. abruptly 345 ft.
23.20	Fork of Poverty Canyon, course N. 10° W.; precipitous ascent of 285 ft.
30.90	Vertical ledge, 40 ft. high, bears N. 70° W. and S. 70° E., at the top of abrupt ascent; asc. gradually along N. slope 50 ft. to
40.03	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a mound of stone for ¼ sec. cor., with brass cap mkd:
	S 25 1/4 S 36 1920
	from which, A pinon pine, 6 ins. diam., bears N. 19° 45' W., 23 lks. dist., mkd. ¼ S 25 B T.

Subdivision of T. 18 S., R. 17 E.

Chains:

- A pinon pine, 7 ins. diam., bears S. $10^{\circ}15'W.$, 57 lks.
dist., mkd. $\frac{1}{4}$ S 36 E T.
- 44.10 Head of draw, 60 ft. below $\frac{1}{4}$ sec. cor., course N.; asc.
40 ft.
- 50.00 Spur, projects N. about 7.00 chs. dist.; desc. abruptly
285 ft.
- 59.70 Stream of alkali water, 2 lks. wide, 3 ins. deep, in the
bottom of Poverty Canyon, course N. $80^{\circ}W.$; asc. 35 ft.
- 63.60 Spur, slopes N.; desc. 65 ft.
- 67.10 Stream of alkali water, 2 lks. wide; 3 ins. deep, in the
bottom of Poverty Canyon, course S. $70^{\circ}W.$; asc. abruptly
140 ft. along SE. slope, over a series of broken ledges
and large boulders, bearing NE. and SW. to sec. cor.
- 78.80 Vertical ledge, 30 ft. high, bears N. $80^{\circ}E.$ and S. $80^{\circ}W.$
- 80.06 The cor. of secs. 25, 26, 35 and 36.
Land; line crosses Poverty Canyon and a fork of this can-
yon, over large boulders and ledges of sandstone and
limestone.
Soil; rocky and gravelly sand, 2 or 3 ft. deep on some of
the slopes and in the bottom of Poverty Canyon, lying
on bed-rock; very shallow in other portions.
Timber; scattering to a medium growth of cedar and pinon
pine; few scattering cottonwood along bottom of main
fork of Poverty Canyon.
Undergrowth; scattering short shadscale, yellow top and
mountain rush.
Drainage NW., E. $\frac{1}{2}$ mile; SW., W. $\frac{1}{2}$ mile.
Fair growth of bunch grass.
-
- N. $0^{\circ}01'W.$, bet. secs. 25 and 26.
Asc. abruptly 265 ft. along SW. slope, over large boulders
and a series ^{of} ledges, 15 to 40 ft. high, bearing NW. and
SE., through scattering timber.
- 8.50 Top of ascent and rim-rock, 10 ft. high, bears NE. and
SE.; at the W. extremity of mesa; precipitous descent
of 370 ft. over a series of ledges, 10 to 40 ft. high,

Subdivision of T. 18 S., R. 17 E.

Chains.

bearing NE. and SW.

- 20.50 Seepage of alkali water in the bottom of a fork of Poverty Canyon, course S. 70° W.; precipitous ascent of 330 ft. over ledges and boulders.
- 28.00 Top of abrupt ascent, bears N. 20° E. and S. 70° W.; asc. gradually 140 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
- | | |
|------|------|
| S 26 | S 25 |
|------|------|
- 1920
- from which,
- A cedar, 5 ins. diam., bears N. $38^{\circ}15'$ E., 53 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
- A pinon pine, 8 ins. diam., bears N. 53° W., 68 lks. dist., mkd. $\frac{1}{2}$ S 26 B T.
- 47.00 Vertical ledge, 20 ft. high, bears N. 20° E. and S. 20° W.
- 67.60 Ridge, 235 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW. desc. 45 ft.
- 70.00 Leave timber, bears NE. and SW.
- 71.30 Head of a fork of Poverty Canyon, course W.; asc. abruptly 140 ft. over large boulders to
- 80.00 On a W. slope, set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 23, 24, 25 and 26, with brass cap mkd:

T18S	R17E
S23	S24
S26	S25

1920

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land; line crosses the steep and rugged N. and S. sides of forks of Poverty Canyon, over large boulders, ledges and cliffs of sandstone and limestone. Soil; very shallow red sand; mostly rock exposed. Timber; scattering to a medium growth of cedar and pinon pine.

Subdivision of T. 18 S., R. 17 E.

Chains	Undergrowth; scattering yellow top; shadscale and mountain rush. Fair growth of grass. General drainage W.
	S.89°55'E. on a random line bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.26	Intersect the E. bdy. of the Tp., 5 lks. N. of the cor. of secs. 19, 24, 25 and 30, hereinbefore described. Thence,
	N.89°53'W. on a true line bet. secs. 24 and 25.
	Asc. 105 ft. over rough E. slope, through scattering timber, and undergrowth.
7.40	Rugged spur, projects S. about 10.00 chs. dist.; desc. abruptly 130 ft.
21.30	Ravine, course SE.; asc. abruptly.
37.30	Vertical ledge, 30 ft. high, bears N. and S.
39.40	Vertical ledge, 40 ft. high, bears N. and S., at the top of abrupt ascent, bearing N. and S., 690 ft. above ravine; asc. gradually 5 ft. to
40.13	On top of spur, projecting S., set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	S 24
	$\frac{1}{4}$
	S 25
	1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Trees too scrubby to mark for accessories to cor.
44.60	Ledge, 70 ft. high, bears N.10°W. and S., at the foot of gradual descent, ^{15 ft. below} _{desc.} ^{sec. cor.} abruptly over broken ledges and large boulders 395 ft.
63.80	Base of abrupt descent, bears E. and W., at the head of ravine, draining S.; asc.
71.70	Ledge, 10 ft. high, bears N. and S.
74.60	Rugged spur, 270 ft. above ravine, projects S.10°E. about 4.00 chs. dist.; desc. abruptly 75 ft.

Subdivision of T. 18 S., R. 17 E.

Chains.	
78.70	Vertical ledge, 30 ft. high, bears NW. and SE.
80.26	The cor. of secs. 23, 24, 25 and 26. Land; steep, rugged mountains of sandstone boulders, ledges, cliffs and slide-rock; outcroppings of limestone, E. 7.40 chs.
81.10	Soil; very shallow red sand; mostly rock exposed entire mile.
81.10	Timber; few scattering cedar and pinon pine.
81.10	Undergrowth; scattering shadscale, yellow top and mountain rush.
81.10	Drainage SW. Southern exposure. Very little grass.
	N.0°01'W., bet. secs. 23 and 24.
	Asc. abruptly over rugged W. slope, through scattering timber and undergrowth.
0.40	Vertical ledge, 30 ft. high, bears NW. and SE.
6.10	Broken ledge, 50 ft. high, bears S.30°E. and NW.
6.80	W. slope of peak at the top of ascent, 230 ft. above sec. cor.; desc. gradually 5 ft. to
7.10	Vertical ledge, 30 ft. high, bears E. and W.; desc. abruptly rugged N. slope.
31.40	Vertical ledge, 10 ft. high, bears E. and W.
38.80	Ravine, 615 ft. below ledge noted at 7.10 chs., course N.10°W.; asc. 30 ft. to
40.00	On a W. slope, set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	$\frac{1}{4}$
	S 23 | S 24
	1920
	from which,
	A pinon pine, 4 ins. diam., bears N.21°30'E., 20 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.
	A pinon pine, 10 ins. diam., bears S.71°45'W., 52 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.
41.60	Spur, 5 ft. above $\frac{1}{4}$ sec. cor., projects NW.; desc. 40 ft.

Subdivision of T. 18 S., R. 17 E.

Chains.	
43.50	Ravine, course NW.; asc. 40 ft.
47.00	Top of ascent, bears N. and S.; asc. 120 ft.
53.20	Fork of Coal Creek Canyon, course W.; precipitous ascent of 105 ft.
66.60	Top of abrupt ascent and edge of bunch, bears E. and W.; asc. gradually 65 ft. over gently rolling land.
75.70	Leave bunch, bears N. and W.; begin abrupt ascent of 65 ft. over large boulders.
78.00	Top of abrupt ascent, bears N.70°W. and S.70°E.; thence over nearly level top of spur to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., over a cross (X), on bed-rock and surrounded by a mound of stone for cor. of secs. 13, 14, 23 and 24, with brass cap mkd:
	T18S | R17E S14 | S13 ---+--- S23 | S24 1920
	from which,
	A pinon pine, 3 ins. diam., bears N.30°15'E., 39 lks. dist., mkd. T 18 S R 17 E S 13 S T.
	A pinon pine, 7 ins. diam., bears S.61°30'E., 38 lks. dist., mkd. T 18 S R 17 E S 24 B T.
	A pinon pine, 12 ins. diam., bears S.19°15'W., 134 lks. dist., mkd. T 18 S R 17 E S 23 B T.
	A pinon pine, 7 ins. diam., bears N.50°W., 36 lks. dist., mkd. T 18 S R 17 E S 14 B T.
	Land; steep and rough mountains of large boulders, rims and broken ledges.
	Soil; rock exposed on greater part of mile, but a shallow red sand in some portions, lying on clay or bed-rock.
	Timber; scattering to a medium growth of cedar and pinon pine.
	Undergrowth; scattering yellow top and mountain rush.
	N. and S. exposure with a general drainage to the W.
	Formation; sandstone and limestone.
	Scattering growth of bunch grass.

Subdivision of T. 18 S., R. 17 E.

- Chains. S. $89^{\circ}53' E.$, on a random line bet. secs. 13 and 24.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.16 Intersect the E. bdy. of the Tp., at the cor. of secs. 13, 18, 19 and 24, hereinbefore described.
- Thence,
- N. $89^{\circ}53' W.$, on a true line bet. secs. 13 and 24.
- Desc. 180 ft. over rugged NW. slope, through scattering timber.
- 20.00 Head of ravine, course N.; asc. abruptly 210 ft.
- 25.50 Vertical ledge, 20 ft. high, bears N. and S.
- 27.70 Spur, projects N. $10^{\circ}E.$ about 8.00 chs. dist.; desc. 85 ft.
- 36.40 Head of ravine, course N.; asc. 80 ft. to $\frac{1}{4}$ sec. cor.
- 40.00 Vertical ledge, 20 ft. high, bears NW. and SE.
- 40.08 On a rough E. slope, set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
- | |
|-------|
| S 13 |
| <hr/> |
| S 24 |
| 1920 |
- from which,
- A cedar, 4 ins. diam., bears N. $77^{\circ}W.$, 62 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.
- A pinon pine, 5 ins. diam., bears S., 6 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.
- From this $\frac{1}{4}$ sec. cor., a high, rugged peak bears S., about 8.00 chs. dist.
- 42.00 Rugged spur, 10 ft. above $\frac{1}{4}$ sec. cor., projects N. about 5.00 chs. dist.; desc. gradually 5 ft.
- 42.50 Vertical ledge, 100 ft. high; bears N. and S.; precipitous descent of 380 ft. over large boulders and outcroppings.
- 54.50 Head of ravine, course N. $20^{\circ}W.$; asc. 100 ft. over rough E. slope.
- 62.90 Spur, projects N. about 1.00 ch. dist.; desc. along gradual N. slope 25 ft., through heavy timber, bearing N. and S.

Subdivision of T. 18 S., R. 17 E.

Chains.	
80.16	<p>The cor. of secs. 13, 14, 23 and 24.</p> <p>Land; abrupt and rough with cliffs, ledges and large boulders with a northern exposure and drainage to the NW., E. 62.90 chs.; gradual rough N. slope, draining N., W. 17.30 chs.</p> <p>Soil; very shallow clay exposed on portions of mile.</p> <p>Timber; cedar and pinon pine; and a few fir, E. $\frac{1}{3}$ mile.</p> <p>Very little grass. No undergrowth.</p> <p>Formation; sandstone and limestone, the former predominating.</p>
0.90	N. 0°01' W., bet. secs. 13 and 14.
26.50	<p>Desc. gradually 5' ft. over rough N. slope, through a medium growth of timber and scattering undergrowth.</p> <p>Begin abrupt descent of 510 ft., bearing E. and W.</p> <p>Small stream of alkali water in wash, 50' lks. wide, 6 ft. deep, in the bottom of Coal Creek Canyon, course W.;</p> <p>asc. abruptly 305 ft. over outcroppings.</p>
36.20	Top of abrupt ascent, bears E. and W.; thence over nearly level land to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	A cedar limb, 8 ins. diam., bears N. 11° E., 303 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.
	A cedar limb, 6 ins. diam., bears S. 87° W., 87 lks. dist., mkd. $\frac{1}{4}$ S 14 B T.
	Desc. gradually 30 ft. over gently rolling land.
57.60	Draw, course E. about 5.00 chs., thence S.; asc. gradually 10 ft.
59.00	Leave gently rolling land, bears E. and W.; asc. abruptly 200 ft. over large dark red sandstone boulders.

Subdivision of T. 18 S., R. 17 E.

Chains.							
69.90	Vertical, dark red sandstone ledge, 10 ft. high, bears N.80°E. and S.80°W., at the top of abrupt ascent, bearing E. and W.; leave boulders and asc. gradually 15 ft.						
71.10	Spur, slopes S.80°W.; desc., 225 ft. over large dark red sandstone boulders to						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 11, 12, 13 and 14, with brass cap mkd:						
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T18S</td><td>R17E</td></tr> <tr> <td>S11</td><td>S12</td></tr> <tr> <td>S14</td><td>S13</td></tr> </table> <p style="text-align: center;">1920</p>	T18S	R17E	S11	S12	S14	S13
T18S	R17E						
S11	S12						
S14	S13						
	from which,						
	A cedar, 6 ins. diam., bears N.62°30'E., 119 lks. dist., mkd. T 18 S R 17 E S 12 B T.						
	A pinon pine, 6 ins. diam., bears S.49°45'E., 49 lks. dist., mkd. T 18 S R 17 E S 13 B T.						
	A cedar, 5 ins. diam., bears S.33°W., 60 lks. dist., mkd. T 18 S R 17 E S 14 B T.						
	A cedar, 6 ins. diam., bears N.20°W., 18 lks. dist., mkd. T 18 S R 17 E S 11 B T.						
	Land; rough mountainous with large boulders, rims and outcroppings of sandstone and limestone.						
	Soil; shallow red sand, lying on bed-rock or on a blue clay.						
	Timber; scattering to a medium growth of cedar and pinon pine; few scattering cottonwood along Coal Creek.						
	Undergrowth; scattering black sagebrush, shadscale, yellow top and mountain rush; dense on rolling land, N. $\frac{1}{2}$ mile; dense black sagebrush in bottom of Coal Creek Canyon.						
	Drainage; generally to the W. Good growth of bunch grass.						

S.89°53'E., on a random line bet. secs. 12 and 13.

The W. $\frac{1}{2}$ mile being very abrupt and rugged, making it impracticable to chain, or lay off a base line to determine the distance over impassable cliffs about

Subdivision of T. 18 S., R. 17 E.

Chains.

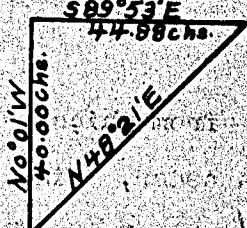
40.00 chs. dist. from this sec. cor., I make a triangulation as follows:

Set a flag on line on top of ridge; then by using the N. $\frac{1}{2}$ mile bet. secs. 13 and 14 as a base line, this flag bears N. $48^{\circ}21'E.$ from the $\frac{1}{4}$ cor. of secs. 13 and 14; from the flag this $\frac{1}{4}$ sec. cor. bears S. $48^{\circ}21'W.$; all bearings checked by direct reading of the solar; and by separate measurement of each angle they are found respectively $89^{\circ}52'$, $41^{\circ}46'$ and $48^{\circ}22'$; their sum being equal to $180^{\circ}00'$.

Dist. by triangulation to

flag on random line

equals 44.88 chs.



Thence, S. $89^{\circ}53'E.$ on random line from flag, and at

45.00 Set temp. point for witness $\frac{1}{4}$ cor. of secs. 12 and 13.

80.16 Intersect the E. bdy. of the Tp., 9 lks. S. of the cor.

" of secs. 7, 12, 13 and 18; hereinbefore described.

Thence,

N. $89^{\circ}57'W.$, on a true line bet. secs. 12 and 13.

Asc. 90 ft. along SE. slope over broken ledges, through a medium growth of timber.

2.10 Broken ledge, 40 ft. high, bears N. and SW.

5.70 Spur, slopes N. $70^{\circ}E.$; desc. 55 ft.

13.60 Head of ravine, course NE.; asc. 260 ft.

18.40 Broken ledge, 30 ft. high, bears N. and S..

21.70 Same spur as noted at 5.70 chs., projects SE. about 8.00 chs., thence N. $70^{\circ}E.$; desc. 15 ft.

23.10 Base of descent, bears SE. and SW.; asc. abruptly 240 ft. to witness $\frac{1}{4}$ sec. cor.

33.60 Vertical ledge, 50 ft. high, bears NE. and SW.

35.18 On top of rugged ridge, bearing N. $20^{\circ}W.$ and NE., set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock and in a mound of stone for witness $\frac{1}{4}$ sec. cor., with brass cap md:

S 12
WC 4

S 13
1920

Subdivision of T. 18 S., R. 17 E.

Chains.	from which,
	A pinon pine, 16 ins. diam.; bears N.11°30'E., 49 lks. dist., mkd. W C $\frac{1}{4}$ S 12. B T.
	A cedar; 8 ins. diam., bears S.5°E., 21 lks. dist., mkd. W C $\frac{1}{4}$ S 13. B T..
35.28	Point of triangulation:
35.90	Top of series of vertical cliffs, 10 to 60 ft. high, bears N.50°W. and S.50°E., 10 ft. below witness sec. cor.; precipitous descent of 50 ft. over boulders and outcroppings from foot of cliffs, along SW. slope.
40.08	True point for $\frac{1}{4}$ sec. cor. falls on series of impassable cliffs. Cor. not set.
45.20	(Approximately) Base of abrupt descent, bears SW. and SE.; asc. gradually 65 ft. over large boulders.
50.00	(Approximately) Rugged ridge, bears NE. and SW.; desc. 125 ft. over large red sandstone boulders and broken ledges to
80.16	The cor. of secs. 11, 12, 13 and 14. Land; steep and rugged mountains of large sandstone boulders, rims, ledges and cliffs. Soil; red sand, very shallow and mostly rock exposed. Timber; scattering to a medium growth of cedar and pinon pine; few scattering fir. Undergrowth; sparse growth of mountain rush. Drainage NE. with a SE. exposure, E. 21.70 chs.; W. 30.00 chs. drains NW. and slopes W.; remainder of mile exposed and drains to the S. Very little grass.
	N.0°01'W., bet. secs. 11 and 12. Desc. 55 ft. along NW. slope, over large red sandstone boulders, through a medium growth of timber and scattering undergrowth.
11.60	Dry wash, 20 lks. wide, 4 ft. deep, in the bottom of Dripping Springs Canyon, course W.; asc. 30 ft.
23.50	Spur, projects W. about 20.00 chs. dist.; desc. 40 ft.
27.00	Ravine, course SW.; asc. 150 ft. to

Subdivision of T. 18 S., R. 17 E.

- Chains. / 40.00 Point for $\frac{1}{4}$ sec. cor. falls on sloping red sandstone ledge, 25 ft. high, bearing NW. and SE; make a cross at true point as it is impossible to set iron post.
- 40.23 Set an iron post, 3 ft. long, 1 in. diam., on shelf of ledge, in crevice 6 ins., and surrounded by a mound of stone for witness $\frac{1}{2}$ sec. cor., with brass cap mkd:
- | | |
|------|------|
| S.11 | S.12 |
| WC | |
| 1920 | |
- from which,
- A pinon pine, 6 ins. diam., bears N. $40^{\circ}15'E.$, 57 lks. dist., mkd. W C $\frac{1}{4}$ S 12 B T.
- A pinon pine, 6 ins. diam., bears N. $39^{\circ}W.$, 80 lks. dist., mkd. W C $\frac{1}{4}$ S 11 B T.
- The N. $\frac{1}{2}$ mile being very abrupt, and passing over high cliffs which make chaining impracticable, I determine the remaining distance of the mile by a triangulation, hereinafter described.
- Continue abrupt ascent of SE. slope over large boulders.
- 65.50 Approximately. Vertical red sandstone ledge, 40 ft. high, bears NE. and SW.
- 68.00 Approximately. Vertical ledge, 30' ft. high, bears NE. and SW.
- 68.30 Approximately. Spur, 425 ft. above $\frac{1}{4}$ sec. cor., projects SW. about 8.00 chs. dist., forming a rugged point of a series of ledges; desc. 125 ft. over outcroppings to true point for cor. of secs. 1, 2, 11 and 12.
- From the $\frac{1}{4}$ cor. of secs. 11 and 12, I return to the cor. of secs. 11, 12, 13 and 14, and set a flag on line on top of ridge over a mile dist.; then measure a base line W. 38.08 chs. to a point from which the flag bears N. $19^{\circ}40'E.$ From the flag the W. end of the base bears S. $19^{\circ}40'W.$; all bearings checked by direct reading of the solar, and by separate measurement of
-

Subdivision of T. 18 S., R. 17 E.

Chains.

each angle by deflection they are found respectively $89^{\circ}59'$, $70^{\circ}20'$ and $19^{\circ}41'$; their sum being equal to $180^{\circ}00'$.

Dist. by triangulation = 106.46 chs.

Dist. S. $0^{\circ}01'E.$ by return measurement = 26.46 chs.

80.00 chs.

80.00 Point for cor. of secs. 1, 2, 11 and 12 falls on sloping conglomerate, white sandstone ledge, 7.0 ft. high, bearing N. $5^{\circ}E.$ and S. $5^{\circ}W.$, making it impossible to set iron post, but mark a cross(X) at true point.

Thence, N. $0^{\circ}01'W.$, 1.20 chs., and at

81.20 On an abrupt and rough W. slope, set an iron post, 3 ft. long, 2 ins. diam., .24 ins. in the ground for witness cor. of secs. 1, 2, 11 and 12, with brass cap mkd:

T18S	R17E
S2	S1
S11	S12
WC	
1920	

from which,

A pinon pine, 4 ins. diam., bears N. $78^{\circ}30'E.$, 48 lks.
dist., mkd. T 18 S R 17 E S 1 W C B T.

A pinon pine, 3 ins. diam., bears S. $13^{\circ}E.$, 164 lks.
dist., mkd. T 18 S R 17 E S 12 W C B T.

A pinon pine, 6 ins. diam., bears S. $17^{\circ}W.$, 170 lks.
dist., mkd. T 18 S R 17 E S 11 W C B T.

A cedar, 7 ins. diam., bears N. $19^{\circ}30'W.$, 28 lks.
dist., mkd. T 18 S R 17 E S 2 W C B T.

Land; rough NW. slope with large red sandstone boulders and outcroppings, S. 27.00 chs.; steep and rough with very little soil, but mostly rock exposed in form of large red sandstone boulders, ledges, cliffs and rims, N. 53.00 chs.

Soil; shallow red sand, lying on clay or bed-rock, S. 27.00 chs.

Timber; scattering to a medium growth of cedar and pinon pine.

Undergrowth; sparse growth of yellow top, shadscale and mountain rush.

Subdivision of T. 18 S., R. 37 E.

Chains.	General drainage S.E. Fair growth of spruce, 6. 1 miles.
	S.89°57'E, on a random line bet. secn. 1 and 12.
40.00	Set temp. l sec. cor. From this point chaining is impractical owing to the line passing over high ledges, cliffs, and crossing deep, rough gulches and canyons; therefore I return to the 53.16 ch. point and determine the remaining dist. of mile as follows: Set a flag on line 17 Mks. N. of the cor. of secn. 3, 6, 7 and 12, and then use the S. 1/2 mile bet. secn. 7 and 12, on the E. bdy., plus the falling of 17 Mks. as a base line. From the 53.16 ch. point the l sec. cor. bet. secn. 7 and 12, bears S.84°52'E., and a flag at the triangulation point on random line, bears N.84°52'W. from this l sec. cor. All bearings of lines checked by direct reading of the ruler, and by separate measurement of each angle they are found respectively 23°30', 54°32' and 10°30'; their sum being equal to 180°00. Dist. on random line = 17.16 chs. Dist. by triangulation = 17.16 chs.
80.26	Intersect the E. bdy. of the Tp., 17 Mks. N. of the cor. of secn. 1, 6, 7 and 12, hereinbefore described. Thence, N.89°50'W., on a true line bet. secn. 1 and 12. Desc. NW. slope 300 ft. over a series of ledges, 10 to 30 ft. high, bearing NE. and SW., through a medium growth of timber.
6.80	Approximately. Dripping Springs Canyon, course SW.; asc. 500 ft. over large boulders and broken ledges.
28.00	Approximately. Rugged spur, projects S. about 10.00 chs. dist.; desc. 250 ft. over a series of vertical ledges, 20 to 30 ft. high, bearing N. and S.
35.00	Approximately. Gulch, course S.; asc. 250 ft. over a series of vertical ledges, 20 to 30 ft. high, bearing N. and S. to

Subdivision of T. 18 S., R. 17 E.

Chains.	
40.14	On top of spur, projecting S.10°E., set an iron post, 5 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 1 — S 12 1920
	from which,
	A pinon pine, 6 ins. diam., bears N.18°15'E., 27 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.
	A cedar, 6 ins. diam., bears S.51°30'W., 46 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.
46.10	Ravine, 60 ft. below $\frac{1}{4}$ sec. cor., course SE.; asc.
55.30	Broken ledge, 50 ft. high, bears N.20°E. and S.60°W.
57.16	Point of triangulation.
59.80	Rugged spur, 330 ft. above ravine, projects S. about 20.00 chs. dist.; desc.
74.30	Vertical white sandstone ledge, 30 ft. high, bears NW. and SE.; desc. abruptly over a series of ledges, 20 to 40 ft. high, bearing N. and S.
80.28	True point for cor. of secs. 1, 2, 11 and 12, 425 ft. below spur.
	Land; steep and rough mountainous with large boulders, broken ledges and cliffs of red sandstone; outcroppings of red shale.
	Soil; red sand, very shallow and mostly rock exposed entire mile.
	Timber; medium growth of cedar and pinon pine; few scattering fir and mahogany.
	Undergrowth; sparse growth of yellow top, shadscale and mountain rush. Very little grass.
	Drainage SW., E. 59.80 chs.; W., W. 20.50 chs.
	N.0°01'W., on a random line bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
40.24	From this point the line crosses the abrupt and rugged sides of Saleratus Canyon, which make chaining impracticable; therefore I make a triangulation as follows:

Subdivision of T. 18 S., R. 17 E.

Chains.

From the 40.24 ch. point, a flag set 62 lks. N. of the 57.72 ch. point on random line, on N. bdy., bears N. $54^{\circ}53'W.$; from flag on random line bet. secs. 1 and 2, the flag of the 57.72 ch. point bears W. 57.40 chs. dist.; all bearings checked by direct reading of the solar, and the angles which are checked by deflection are respectively $54^{\circ}52'$, $90^{\circ}01'$ and $35^{\circ}07'$; their sum equal to $180^{\circ}00'$.

Dist. on random line = 40.24 chs.

Dist. by triangulation = 40.37

Total distance = 80.61

Dist. by return measurement = 0.20

80.41

Intersect the N. bdy. of the Tp., 32 lks. W. of the cor. of secs. 1, 2, 35 and 36, hereinbefore described.

Thence,

S. $0^{\circ}13'W.$, on a true line bet. secs. 1 and 2.

Desc. abruptly 500 ft. over series of ledges 10 to 40 ft. high, bearing NE, and SW., on N. side of canyon, through a scattering growth of timber.

28.00 Approximately. Bottom of Saleratus Canyon, course W.; asc. abruptly 595 ft. over broken ledges and boulders.

40.10 Broken sandstone ledge, 30 ft. high, bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$; asc. gradually 5 ft. to

40.41 On a rugged spur, projecting N. $70^{\circ}W.$ about 8.00 chs. dist., set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 2 S 1

1920

from which,

A pinon pine, 5 ins. diam., bears S. $44^{\circ}45'E.$, 25 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.

A pinon pine, 6 ins. diam., bears N. $54^{\circ}15'W.$, 28 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.

44.40 Head of ravine, 20 ft. below $\frac{1}{4}$ sec. cor., course NW.;

Subdivision of T. 18 S., R. 17 E.

Chains.	asc. 205 ft.
53.30	Ridge, bears N.80°E. and S.80°W.; precipitous descent of 360 ft. over boulders and series of ledges, 10 to 30 ft. high, bearing E. and W.
71.50	Rugged ravine, course SW.; asc. 120 ft.
78.80	Top of ascent, bears NE. and S.5°W.; desc. 20 ft. to
79.21	The witness cor. of secs. 1, 2, 11 and 12.; continue descent of 5 ft. to
80.00	Foot of sloping ledge, 70 ft. high, bears N.5°E. and S.5°W.
80.41	The cross(X) at true point for cor. of secs. 1, 2, 11 and 12, 10 ft. above base of ledge.
	Land; deep, rough canyons and ravines with sandstone exposed in the form of large boulders and broken ledges; also red shale outcroppings and slides.
	Soil; red sand, shallow on the sides of ravines and canyons, and rock exposed in other portions of mile.
	Timber; scattering to a medium growth of cedar and pinon pine; scattering fir and mahogany.
	Undergrowth; sparse growth of mountain rush and serviceberry bushes.
	Drainage W., N. 53.30 chs.; remainder of mile drains SW.
	Sparse growth of grass.
	From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., hereinbefore described.
	N.0°01'W. bet. secs. 34 and 35.
	Over nearly level Poverty Bench, through scattering timber and undergrowth.
9.90	Leave bench, bears N.70°W. and S.70°E.; desc. abruptly 490 ft. over boulders and broken ledges, 10 to 20 ft. high, bearing NW. and SE.
34.00	Ravine, course E.; asc. 35 ft.
36.60	Spur, slopes E.; desc. 45 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

Subdivision of T. 18 S., R. 17 E.

Chains.		$\frac{1}{4}$	
	S 34	S 35	
		1920	
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Trees too scrubby to mark for accessories to cor.		
45.60	Ravine, 95 ft. below $\frac{1}{4}$ sec. cor., course NE.; asc. 55 ft.		
58.90	Spur, projects E. about 4.00 chs. dist.; desc. abruptly 560 ft. over broken and sloping ledges, 10 to 30 ft. high, bearing NW. and SE.		
78.40	Dry wash, 200 lks. wide, 1 ft. deep, in the bottom of Poverty Canyon, course NW.		
80.00	True point for cor. of secs. 26, 27, 34 and 35 falls in the wash.		
80.73	On N. bank of the wash, set an iron post, 3 ft. long, 2 in ^s . diam., 12 ins. in the ground to solid rock and in a mound of stone for witness cor. of secs. 26, 27, 34 and 35, with brass cap mkd:		
	T18S | R17E S27 | S26 S34 | S35 WC 1920		
	from which,		
	A cedar, 10 ins. diam., bears N.8°E., 170 lks. dist., mkd. T 18 S R 17 E S 26 W C B T.		
	A cedar, 12 ins. diam., bears S.15°45'E., 200 lks. dist., mkd. T 18 S R 17 E S 35 W C B T.		
	A pinon pine, 12 ins. diam., bears S.39°W., 165 lks. dist., mkd. T 18 S R 17 E S 34 W C B T.		
	A cedar, 8 ins. diam., bears N.6°15'W., 216 lks. dist., mkd. T 18 S R 17 E S 27 W C B T.		
	Land; nearly level Poverty Bench, S. 10.00 chs.; abrupt S. side of Poverty Canyon with large boulders and brok- en ledges of sandstone and blue limestone, N. 70.00 chs		
	Soil; rocky, red sand, varying in depth from a few ins. to 1 ft., lying on a white hardpan or bed-rock.		
	Timber; scattering pinon pine and scrubby cedar.		
	Undergrowth; scattering yellow top and mountain rush on		

Subdivision of T. 18 S., R. 17 E.

Chains.

bench.

General drainage N. to Poverty Canyon. Northern exposure.
Excellent growth of bunch grass.

East on a random line bet. secs. 26 and 35, from true point for cor. of secs. 26, 27, 34 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

/80.14 Intersect N. and S. line, 13 lks. N. of the cor. of secs. 25, 26, 35 and 36.

Thence,

N. $89^{\circ}54'W.$, on a true line bet. secs. 26 and 35.

Desc. 145 ft. along SW. slope, over large boulders and broken ledges, 10 to 25 ft. high, bearing NW. and SE., through scattering timber and undergrowth.

7.30 Dry wash, 60 lks. wide, 4 ft. deep, in the bottom of Poverty Canyon, course NW.; asc. gradually 5 ft.

8.50 Top of ascent, bears E. and W.; desc. gradually 5 ft.

10.00 Same wash, 60 lks. wide, 4 ft. deep, in the bottom of Poverty Canyon, course S. $60^{\circ}W.$; asc. gradually 5 ft.

11.20 Top of ascent, bears E. and W.; desc. gradually 5 ft.

13.10 Same wash, 70 lks. wide, 4 ft. deep, in the bottom of Poverty Canyon, course N. $70^{\circ}W.$; asc. 65 ft.

26.90 Top of ascent, bears E. and W.; desc. 80 ft.

29.50 Ravine, course N.; asc. 210 ft. to $\frac{1}{4}$ sec. cor.

37.70 Foot of sloping sandstone ledge, 70 ft. high, bears NW. and SE.

/40.07 On an E. slope, set an iron post, 3 ft. long, 1 in. diam. 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap

mkd:

S 26

$\frac{1}{4}$ _____

S 35

1920

from which,

A pinon pine, 10 ins. diam., bears S. $67^{\circ}30'E.$, 117 lks. dist., mkd. $\frac{1}{4}$ S 35 B T.

in sec. 26,

All trees/within a reasonable distance too scrubby to mark; therefore I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Subdivision of T. 18 S., R. 17 E.

Chains.

- 40.90 Spur, 10 ft. above $\frac{1}{4}$ sec. cor., projects N. about 8.00 chs. dist.; desc. 240 ft.
- 56.90 Ravine, course N.; desc. 60 ft.
- 76.50 Sharp rugged spur, projects N. 20° W. about 8.00 chs. dist.; desc. 150 ft.
- 76.60 Dry wash, 70 lks. wide, 3 ft. deep, in the bottom of Poverty Canyon, course S. approximately 3.00 chs. dist, thence NW.; asc. 5 ft.
- 78.00 Spur, projects S. about 2.00 chs. dist.; desc. 5 ft. to true point for sec. cor.
- 78.90 Dry wash, 300 lks. wide, 6 ft. deep, in the bottom of Poverty Canyon, course NW.
- 80.14 True point for cor. of secs. 26, 27, 34 and 35, in wash. Land; line runs along the abrupt and rough N. and S. sides of Poverty Canyon, over large boulders and broken ledges of sandstone and limestone.
- Soil; red sand, very shallow on slopes of spurs, and about 2 or 3 ft. deep in the bottoms of ravines and canyons, lying on bed-rock.
- Timber; scattering to a medium growth of cedar and pinon pine; few scattered cottonwood along wash in bottom of Poverty Canyon.
- Undergrowth; scattering mountain rush, shadscale and yellow top.
- General drainage W. Fair growth of bunch grass.

From true point for cor. of secs. 26, 27, 34 and 35. N. $0^{\circ}01'W.$, bet. secs. 26 and 27.

Over rough mountainous land, through scattering timber and undergrowth.

- 0.40 N. edge of wash, bears NW. and SE.
- 0.75 The witness cor. of secs. 26, 27, 34 and 35; asc. abruptly N. side of Poverty Canyon, over large boulders and broken ledges.
- 12.00 Vertical ledge, 140 ft. high, bears E. and W.
- 12.70 Pin-rock, 30 ft. high, bears N. $70^{\circ}E.$ and N. $70^{\circ}W.$, on the N. side of Poverty Canyon, 660 ft. above true point

Subdivision of T. 18 S., R. 17 E.

Chains.

- for cor. of secs. 26, 27, 34 and 35.; thence over gently rolling bench, through a medium growth of timber, bearing N.70°E. and N.70°W.
- 37.20 Leave medium growth of timber, bears E. and W., and enter scattering; leave rolling bench, begin ascent of S. slope 35 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
- | | |
|------|------|
| S 27 | S 26 |
|------|------|
- 1920
- from which,
- A pinon pine, 10 ins. diam., bears S.69°45'E., 260 lks. dist., mkd. $\frac{1}{4}$ S 26 B.T.
- A pinon pine, 8 ins. diam., bears S.56°15'W., 87 lks. dist., mkd. $\frac{1}{4}$ S 27 B.T.
- 44.80 Broken ledge, 45 ft. high, bears NW. and SE.
- 47.50 Ridge, 65 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.; desc. gradually 5 ft.
- 48.70 Broken ledge, 10 ft. high, bears E. and SW.; desc. abruptly NW. slope 545 ft. over large boulders and a series of broken ledges, 10 to 40 ft. high, bearing NE. and SW.
- 70.10 Fork of Poverty Canyon, course SW.; precipitous ascent of 160 ft. over large boulders and broken ledges, 10 to 20 ft. high, bearing E. and W.
- 71.20 Leave timber, bears NE. and SW.
- 79.80 Vertical ledge, 20 ft. high, bears E. and W. broken
- 80.00 On a shelf of ledge, 50 ft. high, bearing E. and W., set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 22, 23, 26 and 27, with brass cap mkd:

T18S	R17E
S22	S23
S27	S26

1920

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Subdivision of T. 18 S., R. 17 E.

Chains.	<p>Land; line crosses the steep and rugged N. and S. sides of forks of Poverty Canyon.</p> <p>Soil; red sand, very shallow, except on bench where it is about 6 to 18 ins. deep, lying on a white clay hardpan a few ins. deep to bed-rock.</p> <p>Timber; cedar and pinon pine.</p> <p>Undergrowth; scattering shadscale, yellow top and mountain rush.</p> <p>General drainage W. Sandstone and limestone formation.</p> <p>Excellent grazing on benches.</p>
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40.00	S.89°54'E., on a random line bet. secs. 23 and 26.
80.08	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N: and S. line, 7 lks. S. of the cor. of secs. 23, 24, 25 and 26.
	Thence,
	N.89°57'W., on a true line bet. secs. 23 and 26.
	Desc. SW. slope abruptly 145 ft., over large boulders, through scattering timber and undergrowth.
7.20	Leave boulders at the base of abrupt descent, bearing NW. and SE.; enter a medium growth of timber, bears NW. and SE.; desc. gradually across bench.
21.70	Leave medium growth of timber; bears NW. and SE., and enter scattering.
27.30	Edge of bench, 30 ft. below top of gradual descent, bears N.10°E. and S.10°W.; desc. rough W. slope 145 ft.
34.30	Ravine, course S.10°W.; asc. 130 ft. to
40.04	On a rough SE. slope, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 23
	$\frac{1}{4}$
	S 26
	1920
	from which,
	A cedar, 8 ins. diam., bears N.38°15'E., 60 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.
	A pinon pine, 10 ins. diam., bears S.58°45'W., 249 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.

Subdivision of T. 18 S., R. 17 E.

Chains.	
45.60	Spur, 90 ft. above $\frac{1}{4}$ sec. cor., projects S. approximately 15.00 chs. dist.; desc. 525 ft.
72.10	Ravine, course SW.; asc. 95 ft. to sec. cor.
75.30	Broken ledge, 25 ft. high, bears NE. and SW.
80.08	The cor. of secs. 22, 23, 26 and 27. Land; rough mountainous, over a general S. slope. Soil; red sand, very shallow, except on bench where it is about 6 to 18 ins. deep, lying on a white clay hard-pan a few ins. deep to bed-rock. Timber; cedar and pinon pine. Undergrowth; scattering shadscale, yellow top and mountain rush. Drainage S. Sandstone and limestone formation. Fair growth of grass.
	N.0°01'W., bet. secs. 22 and 23. Over rough mountainous land, through scattering timber and undergrowth; asc. abruptly 20' ft. over broken ledge, bearing E. and W.
5.70	Top of broken ledge, 30 ft. high, bears N.30°E. and S.70°W.
19.00	Top of abrupt ascent, 385 ft. above sec. cor., bears N.70°E. and S. 70°W.; thence over level top of ridge.
26.00	Leave level top; begin abrupt descent of 185 ft. over NW. slope.
34.60	Draw, course W.; asc. 35 ft. to
40.00	At the top of ascent, bearing NE. and SE., set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

$\frac{1}{4}$

1920

from which,

A pinon pine, 7 ins. diam., bears S.62°30'E., 137 lks.
dist., mkd. $\frac{1}{4}$ S 23 B T.

Subdivision of T. 18 S., R. 17 E.

Chains.

- A cedar, 10 ins. diam., bears N. $43^{\circ}30'W.$, 96 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.
- 48.60 Draw, 170 ft. below $\frac{1}{4}$ sec. cor., course E.; asc. 5 ft.
- 49.90 Spur, projects E. about 3.00 chs. dist.; desc. 200 ft.
- 62.00 Dry wash, 20 lks. wide, 4 ft. deep, in the bottom of a fork of Coal Creek Canyon, course NW.; asc. abruptly 190 ft. over large boulders and outcroppings.
- 72.20 Top of abrupt ascent, bears NW. and SE.; leave boulders and outcroppings; thence over gently rolling top of ridge to
- 80.00 On a gentle NW. slope, 20 ft. below top of abrupt ascent, set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 14, 15, 22 and 23, with brass cap mkd:

T18S	R17E
S15	S14
S22	S23

1920

from which,

A pinon pine, 10 ins. diam., bears N. $8^{\circ}15'E.$, 77 lks. dist., mkd. T 18 S R 17 E S 14 B T.

A pinon pine, 10 ins. diam., bears S. $44^{\circ}30'E.$, 44 lks. dist., mkd. T 18 S R 17 E S 23 B T.

A pinon pine, 18 ins. diam., bears S. $32^{\circ}45'W.$, 354 lks. dist., mkd. T 18 S R 17 E S 22 B T.

A pinon pine, 20 ins. diam., bears N. $28^{\circ}15'W.$, 132 lks. dist., mkd. T 18 S R 17 E S 15 B T.

Land; steep N. and S. slopes of forks of Poverty and Coal Creek Canyons.

Soil; red sand, very shallow, except on tops of ridges where it is about 12 to 18 ins. deep, lying on a white clay hardpan or bed-rock.

Timber; a few scattering scrubby cedar and pinon pine.

Undergrowth; scattering shadscale, yellow top and mountain rush.

Drainage SW.; S. 19.00 chs.; NW., N. 61.00 chs.

Formation; outcroppings and broken ledges of sandstone.

Subdivision of T. 18 S., R. 17 E.

Chains.	
	Fair growth of bunch grass.
	S.89°57'E., on a random line bet. secs. 14 and 23.
40.00	Set temp. 1/2 sec. cor.
80.00	Intersect N. and S. line, at the cor. of secs. 13, 14, 23 and 24.
	Thence,
	N.89°57'W., on a true line bet. secs. 14 and 23.
	Over nearly level top of spur of boulders and outcropp- ings, through a medium growth of timber.
10.50	Rim-rock, 15 ft. high, bears NE. and SW., at the top of medium growth of abrupt descent, bearing N. and S.; leave timber, bears NE. and SW., and enter scattering.
18.50	Base of abrupt descent, 100 ft. below rim-rock, bears N. and S.; thence over gently rolling bench, through dense short undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a mound of stone for 1/2 sec. cor.; with brass cap mkd:
	S 14
	S 23
	1920
	from which,
	A cedar; 5 ins. diam., bears N.72°15'W., 186 lks. dist., mkd. 1/2 S 14 B.T.
	A cedar, 8 ins. diam., bears S.77°45'W., 298 lks. dist., mkd. 1/2 S 23 B.T.
50.40	Leave dense undergrowth and enter a medium growth of timber, bears NE. and SW., at the edge of bench, bear- ing NE. and SW.; desc. 260 ft. over NW. slope.
62.00	Head of ravine, course N.; asc. 75 ft.
73.70	Broken ledge, 10 ft. high, bears S. and N.80°E., on top of spur, projecting N.30°W.; desc. 110 ft. to
80.00	The cor. of secs. 14, 15, 22 and 23.
	Land; steep and rough general NW. slope, E. 10.50 chs. and W. 29:60 chs.; gently rolling bench, remainder of mile.
	Soil; red sand, shallow on slopes; and about 20 ins.

Subdivision of T. 18 S., R. 17 E.

Chains.	deep, lying on bed-rock, on benches. Timber; cedar and pinon pine. Undergrowth; dense growth of yellow top on bench. Formation; sandstone, E. 10.50 chs.; limestone, W. 29.60 chs. Scattering growth of grass. General drainage NW.
	N.0°01'W., bet. secs. 14 and 15. Desc. gradual NW. slope 15 ft., through a medium growth of timber and scattering undergrowth.
4.40	Precipitous descent of NE. slope of 360 ft., over large boulders and outcroppings.
13.10	Stream of alkali water, 3 lks. wide, 2 ins. deep, in wash, 40 lks. wide, 2 ft. deep, in the bottom of Coal Creek Canyon, course W.; asc. 30 ft.
17.90	Spur, slopes W.; desc. 50 ft.
25.00	Stream of alkali water, 3 lks. wide, 2 ins. deep, in wash, 50 lks. wide, 18 ins. deep, in the bottom of Coal Creek Canyon, course N.10°E.; asc. 15 ft.
28.90	Spur, slopes E.; desc. 15 ft.
32.90	Same creek, in the bottom of Coal Creek Canyon, course N.20°W.; asc. abruptly 235 ft. over a series of broken ledges, 10 to 100 ft. high, bearing NW. and SE.
38.60	Ridge, bears NW. and SE.; leave ledges and desc. gradually 10 ft., broken
39.80	Top of ledge, 30 ft. high, bears E. and W.; desc. abruptly over outcroppings.
40.00	At the foot of broken ledge, set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	S 15 | S 14 I920 from which, A cedar, 7 ins. diam., bears N.58°E., 54 lks. dist., mkd. $\frac{1}{2}$ S 14 B T. A cedar, 5 ins. diam., bears N.81°W., 46 lks. dist.,

Subdivision of T. 18 S., R. 17 E.

Chains.

mkd. $\frac{1}{4}$ S 15 B T.

- 48.10 Seepage of water, in wash, 30 lks. wide, 2 ft. deep, in the bottom of Dripping Springs Canyon, 230 ft. below $\frac{1}{4}$ sec. cor., course SW.; precipitous ascent of 460 ft. over a series of broken ledges; 15 to 40 ft. high, bearing E. and W.
- 66.30 Rim-rock, 30 ft. high, bears SW. and NW. 5.00 chs. dist., thence NE., at the E. extremity of spur from the W.; desc. rough NE. slope 110 ft.
- 70.70 Draw, course E.; asc. 15 ft. over outcroppings.
- 76.40 Spur; projects E. about 5.00 chs. dist.; desc. abruptly 150 ft. over large boulders and broken ledges to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 10, 11, 14 and 15, with brass cap mkd:

T18S	R17E
S10	S11
S15	S14

1920

from which;

A pinon pine, 6 ins. diam., bears N. $59^{\circ}15'$ E., 45 lks. dist., mkd. T 18 S R 17 E S 11 B T.

A pinon pine, 6 ins. diam., bears S. $74^{\circ}E.$, 62 lks. dist., mkd. T 18 S R 17 E S 14 B T.

A pinon pine, 10 ins. diam., bears S. $17^{\circ}45'W.$, 79 lks. dist., mkd. T 18 S R 17 E S 15 B T.

A cedar; 6 ins. diam., bears N. $64^{\circ}30'W.$, 108 lks. dist., mkd. T 18 S R 17 E S 10 B T.

Land; line crosses the steep and rugged N. and S. sides of Coal Creek and Dripping Springs Canyons.

Soil; red sand about 8 ins. deep, lying on a shallow brown clay.

Timber; scattering to a medium growth of cedar and pinon pine; scattered cottonwood and oak along washes of Coal Creek and Dripping Springs Canyons.

Undergrowth; sparse growth of yellow top, shadscale and mountain rush.

Drainage NW., S. 38.60 chs.; SW., N. 41.40 chs.

Subdivision of T. 18 S., R. 17 E.

- Chains. Formation; sandstone and limestone.
Fair growth of bunch grass.
-
- S.89°57'E., on a random line bet. secs. 11 and 14.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, at the cor. of secs. 11, 12, 13 and 14.
Thence,
N.89°57'W., on a true line bet. secs. 11 and 14.
Desc. NW. slope 25 ft. over large red sandstone boulders through scattering timber and undergrowth.
Leave boulders at the base of descent, bearing NE. and SW.; thence over gently rolling bench.
- 30.50 Draw, 50 ft. below E. edge of bench, course N.; enter a medium growth of timber, bears NE. and SW.; asc. gradually 25 ft.
- 39.00 Leave bench, bears NE. and SW.; desc. 45 ft. along NW. slope over limestone outcroppings.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
- | |
|---------------|
| S 11 |
| $\frac{1}{4}$ |
| S 14 |
| 1920 |
- from which,
- A cedar limb, 4 ins. diam., bears N.82°E., 52 lks.
dist., mkd. $\frac{1}{2}$ S 11 B T.
- A cedar, 8 ins. diam., bears S.52°30'E., 12 lks.
dist., mkd. $\frac{1}{2}$ S 14 B T.
- 52.00 Ravine, 200 ft. below $\frac{1}{4}$ sec. cor., course N.; asc. 115 ft.
- 61.70 Rugged spur, projects NW. approximately 15.00 chs. dist.; desc. 270 ft.
- 67.10 Vertical ledge, 15 ft. high, bears N. and S.
- 74.80 Dry wash, 40 lks. wide, 1 ft. deep, in the bottom of Dripping Springs Canyon, course S.20°E.; asc. 75 ft. over sandstone boulders and outcroppings to

Subdivision of T. 18 S., R. 17 E.

Chains.	
/80.00	The cor. of secs. 10, 11, 14 and 15. Land; steep and rough mountainous, E. 3.00 chs. and W. 41.00 chs.; remainder of mile, gently rolling bench. Soil; red sand, very shallow on slopes and in canyons and ravines, but about 20 ins. deep, lying on bed-rock on bench. Timber; cedar and pinon pine. Undergrowth; shadscale and yellow top, dense on bench and scattering on remainder of mile. Formation; red sandstone, E. 3.00 chs.; white sandstone and limestone, remainder of mile, the latter predominating. General drainage and exposure N., E. 61.70 chs.; remainder of mile drains S. with an E. and W. exposure. Fair growth of bunch grass.

	N. 0° 01' W., bet. secs. 10 and 11.
	Desc. N. slope abruptly 20 ft., over large boulders and outcroppings, through scattering timber and undergrowth.
0.50	Ravine, course E.; asc. 285 ft. over boulders and outcroppings.
21.35	Set flag for triangulation.
21.40	Spur, projects E. about 10.00 chs. dist.; desc. 130 ft.
32.90	Ravine, course E.; asc. 90 ft.
37.10	Vertical ledge, 8 ft. high, bears E. and W., at the top of ascent, bearing E. and W.; thence over nearly level bench to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 10 S 11
1920

from which,

A. cedar, 10. ins. diam., bears N. 75° E., 92' lks. dist.,

mkd. $\frac{1}{2}$ S 11 B T.

Subdivision of T. 18 S., R. 17 E.

Chains.	A cedar, 6 ins. diam., bears S.24°W., 256 lks. dist., mkd. $\frac{1}{4}$ S 10 B T.
43.10	Leave bench, bears E. and W.; desc. 85 ft.
46.60	Ravine, course E.; asc. abruptly 450 ft. over large red sandstone boulders and outcroppings.
51.00	Red sandstone ledge, 30 ft. high, bears W. and S.60°E.
65.40	Rugged spur, projects S.80°W.; desc. 50 ft. over large red sandstone boulders and outcroppings to
80.00	At the foot of descent, bearing N. and S., set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, with brass cap mkd:
	T18S | R17E S3 | S2 S10 | S11 1920
	from which,
	A pinon pine, 6 ins. diam., bears N.31°45'E., 82 lks. dist., mkd. T 18 S R 17 E S 2 B T.
	A pinon pine, 14 ins. diam., bears S.54°30'E., 32 lks. dist., mkd. T 18 S R 17 E S 11 B T.
	A pinon pine, 6 ins. diam., bears S.20°15'W., 41 lks. dist., mkd. T 18 S R 17 E S 10 B T.
	A pinon pine, 8 ins. diam., bears N.3°30'W., 66 lks. dist., mkd. T 18 S R 17 E S 3 B T.
	Land; abrupt and mountainous with outcroppings, large boulders and ledges of sandstone; outcroppings of limestone, S. $\frac{1}{2}$ mile.
	Soil; shallow red sand, lying on a light clay 18 ins. deep to bed-rock, on bench; very shallow red sand and mostly rock exposed on remaining portions of mile.
	Timber; scattering cedar and pinon pine.
	Undergrowth; sparse growth of yellow top, shadscale and mountain rush.
	Drainage SE., S. 65.40 chs.; W., N. 14.60 chs.
	Fair growth of bunch grass.
	S.89°57'E. on a random line bet. secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of T. 18 S., R. 17 E.

Chains.

The remainder of this line crosses steep and rugged ravines, canyons and spurs, which make chaining impracticable; therefore I determine the remaining distance as follows:

Set a flag on line near the cor. of secs. 1, 2, 11 and 12, and then use the N. 58.65 chs. bet. secs. 10 and 11 as a base line. From the point S.0°01'E. 58.65 chs. dist. from the cor. of secs. 2, 3, 10 and 11, the flag bears N.53°46'E.; from the flag the S. end of the base line bears S.53°46'W. All bearings checked by direct reading of the solar, and by separate measurement of each angle of the triangle by deflection, they are found respectively 89°56', 53°47' and 36°17'; their sum being equal to 180°00'.

Dist. by triangulation = 79.96 chs.

Thence, S.89°57'E. 0.34 chs., and at
 80.30 Intersect N. and S. line, 7 lks. N. of
 cross (X) at true point for cor. of secs. 1, 2, 11 and 12.

Thence,

N.89°54'W., on a true line bet. secs. 2 and 11.

Desc. abrupt W. slope 300 ft. over large boulders and sloping ledges, 10 to 30 ft. high, bearing N. and S., and through a scattering growth of timber.

0.34 Point of triangulation.

12.00 Approximately. Ravine, course S.60°W.; enter a medium growth of timber, bears N.60°E. and S.60°W.; asc. 80 ft.

.30.00 Approximately. Rugged spur, projects SW. about 7.00 chs. dist.; desc. 140 ft. over large boulders and outcroppings.

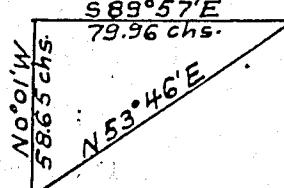
37.90 Fork of Dripping Springs Canyon, course SW.; asc. 40 ft. over outcroppings.

40.15 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 2

S 11

1920



Subdivision of T. 18 S., R. 17 E.

Chains.	from which, A cedar limb, 4 ins. diam., bears N. $53^{\circ}30' E.$, 52 lks. dist., mkd. $\frac{1}{2}$ S 2 B T. A cedar, 6 ins. diam., bears S. $35^{\circ}30' W.$, 44 lks. dist., mkd. $\frac{1}{2}$ S 11 B T.
40.90	Vertical ledge, 30 ft. high, bears NE. and SW.; leave medium growth of timber, bears NE. and SW., and enter scattering.
53.70	Vertical ledge, 120 ft. high, bears NE. and SW., at the top of abrupt ascent, bearing NE. and SW., 430 ft. above $\frac{1}{2}$ sec. cor.; asc. more gradually 180 ft.
70.70	Rugged spur, projects S. $20^{\circ}W.$ about 8.00 chs. dist.; desc. abruptly 355 ft. over large boulders and a series of ledges, 20 to 30 ft. high, bearing N. and S. to
80.30	The cor. of secs. 2, 3, 10 and 11. Land; steep and rough mountains of sandstone formation. Soil; shallow red sand, lying on a brown clay or bed-rock. Timber; cedar and pinon pine; few fir, E. $\frac{1}{2}$ mile. Undergrowth; sparse growth of mountain rush, shadscale, yellow top, mahogany and service-berry bushes. Drainage and exposure, SW., E. 70.70 chs.; W., W. 9.60 chs. Scattering growth of bunch grass.
40.00	N. $0^{\circ}13' E.$, on a random line bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor.; from this point the line passes over the abrupt N. side of Saleratus Canyon, over ledges which make chaining impracticable; and as there is no suitable ground for a base line for triangula- tion, S. of the N. bdy. of the Tp., I return to the Q.S. 12.29 ch. point and determine the remaining dist. as follows: Set a flag on line on the N. side of Saleratus Canyon; and from this flag measure a base line E. 22.75 chs. to a point, from which a flag at the 12.29 ch. point bears S. $18^{\circ}26' W.$; from the 12.29 ch. point the E. end of the base bears N. $18^{\circ}26' E.$ All bearings checked by direct reading of the solar, and by separate measure-

Subdivision of T., 18 S., R. 17 E.

Chains.

ment of each angle they are found respectively $90^{\circ}13'$, $71^{\circ}34'$ and $18^{\circ}13'$; their sum being equal to $180^{\circ}00'$.

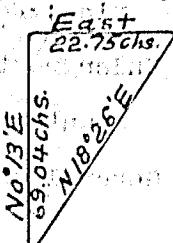
Dist. on random line = 12.29 chs.

Dist. by triangulation = 69.04 chs.

Dist. S. $0^{\circ}13'W.$ by 81.33 chs.

return measurement = 1.05 chs.

80.28 chs.



80.28 Intersect the N. bdy. of the Tp., 16 lks. W. of the cor. of secs. 2, 3, 34 and 35, hereinbefore described.

Thence,

S. $0^{\circ}20'W.$, on a true line bet. secs. 2 and 3.

Desc. abrupt, rugged S. slope 475 ft., through scattering timber.

40.28 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:



A cedar, 12 ins. diam., bears N. $20^{\circ}E.$, 168 lks. dist., mkd. $\frac{1}{2}$ S 2 B T.

A cedar, 8 ins. diam., bears N. $23^{\circ}30'W.$, 21 lks. dist., mkd. $\frac{1}{2}$ S 3 B T.

Continue abrupt descent of rugged S. slope 305 ft.

50.80 Vertical ledge, 30 ft. high, bears S.E. and W.

55.80 Dry wash, 30 lks. wide, 18 ins. deep, in the bottom of Saleratus Canyon, from NE., course NW.; asc. 575 ft.

65.80 Broken red shale ledge, 50 ft. high, bears N. $70^{\circ}E.$ and W.

68.00 Sharp rugged spur, projects W. about 10.00 chs. dist., thence NW.; desc. abruptly 245 ft. over large boulders and broken ledges to sec. cor.

72.50 Vertical ledge, 40 ft. high, bears E. and W.

80.28 The cor. of secs. 2, 3, 10 and 11. Land; steep N. and S. slopes of red sandstone and red shale ledges, cliffs, large boulders and slide-rock. Soil; very shallow red sand. Joints to be projected

Subdivision of T. 18 S., R. 17 E.

- Chains.** view to open basin area west along base to stream
Timber; scattering to a medium growth of cedar and pinon
Scattered on slopes and ridges; S.E. side of basin
pine; few fir and mahogany.
- Undergrowth; sparse growth of yellow top, shadscale and
mountain rush.
- General drainage: W. 30 Sparse growth of bunch grass.
- From cor. to N. 30 S. 10' grad. to 10'. If one descent 30.00
From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of
the basin, elevation 33 bas 10' S. 10'. asc. to
the Tp., hereinbefore described.
- N. 0°02' W., bet. secs. 33 and 34.
- Asc. 135 ft. along E. broken rim of Rattlesnake Canyon,
over large boulders and outcroppings, through scatter-
ing timber and undergrowth.
- Leave rim of canyon, 10 ft. high, bears NW. and SE.; asc.
gradually to broken at base elevation of boulders
gradually 20 ft.
- Top of ascent, bears E. and W.; desc. 15 ft.
- Head of draw, course W.; asc. 85 ft. over large boulders
and outcroppings.
- Enter a medium growth of timber, bears E. and W.
- Top of ascent, bears N. and S.; desc. 25 ft. over large
boulders and outcroppings to
- At the foot of descent, bearing NE. and SW., set an iron
post, 3 ft. long, 1 in. diam., 18 ins. in the ground
to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor.,
with brass cap mkd: 1920
- As there no trees within a reasonable distance suitable
to mark for accessories to cor., I raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Asc. 120 ft. over large boulders and outcroppings.
- Vertical ledge, 30 ft. high, bears E. and W. 10' grad. 30.00
Ridge, bears N. 80° W. and S. 80° E.; desc. rough N. slope
325 ft. to level to access to cor. 30.00
- Sloping ledge, 100 ft. high, bears N. 75° W. and N. 75° E.;
bearing of descent changes to N. and S.; precipitous

Subdivision of T. 18 S., R. 17 E.

Chains.	descent of 355 ft. over large boulders and broken ledges to sec. 27 bridge. I intend digging to cor. 00.00
80.00	Set sand iron post, 3 ft. long, 2 ins. diam., 18 ins. sine down for the ground to solid rock and in a mound of stone for cor. of secs. 27, 28, 33 and 34, with brass cap mkd: old mark, surveyor G. Johnson said J. T. T18S | R17E and cor. mndd. 00.00 marked April 1900. J. T. T. D. Johnson S28 | S27 1920
	All trees within limits too scrubby to mark to witness cor.; therefore I raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land; rough and abrupt N. side of Rattlesnake Canyon and S. side of Poverty Canyon.
	Soil; shallow and rocky red sand, lying on a shallow clay or on bed-rock.
	Timber; cedar and pinon pine.
	Undergrowth; sparse growth of shadscale and mountain rush.
	Drainage S. to Rattlesnake Canyon, S. 52.20 chs.; N. to Poverty Canyon, N. 27.80 chs.
	Sandstone formation. Excellent growth of bunch grass.
40.00	Set temp. $\frac{1}{2}$ sec. cor. Intersect N. and S. line, at the true point for cor. of secs. 26, 27, 34 and 35.
80.02	Thence, West, on a true line bet. secs. 27 and 34. Over mountainous land, through scattering timber and undergrowth; along level bottom of wash, draining NW. Leave wash; begin abrupt ascent of 130 ft. over rough NE. slope.
2.40	Spur, projects N. approximately 8.00 chs. dist.; desc. 170 ft.
8.00	Vertical ledge, 25 ft. high, bears NE. and SW.
14.90	Dry wash, 35 lks. wide, 4 ft. deep, in the bottom of

Subdivision of T. 18 S., R. 17 E.

Chains.

Poverty Canyon, course S.30°W.; asc. 5 ft.

- 18.00 Top of ascent, bears E. and W.; desc. gradually 5 ft.
- 21.50 Dry wash, 80 lks. wide, 3 ft. deep, in the bottom of Poverty Canyon, course NW.; thence, over nearly level canyon bottom.
- 31.00 Leave bottom of canyon at the mouth of ravine, from the S.; asc. abrupt NE. slope 140 ft., over large boulders and outcroppings.

37.00 Spur, projects N. about 7.00 chs. dist.; desc. 35 ft.

39.20 Ravine, course N.; asc. abruptly 30 ft. to

40.01 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 27

 $\frac{1}{4}$

S 34

1920

from which,

A cedar, 4 ins. diam., bears N.14°E., 67 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.A cedar, 6 ins. diam., bears S.14°15'E., 75 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.40.70 Top of abrupt ascent, 20 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.; asc. gradually 290 ft. along E. slope.

53.30 Spur, projects N.; desc. 15 ft.

68.90 Descent becomes more abrupt, bearing N. and S.; desc. 200 ft.

74.30 Ravine, course N.; asc. 165 ft. to

80.02 The cor. of secs. 27, 28, 33 and 34.

Land; line runs along the bottom and the abrupt S. side of Poverty Canyon, over large boulders, broken ledges and outcroppings of sandstone and limestone.

Soil; red sand, very shallow, except in the bottoms of canyons and ravines where it is about 2 or 3 ft. deep, lying on bed-rock.

Timber; scattering to a medium growth of cedar and pinon pine; scattered cottonwood along wash in the bottom of Poverty Canyon.

Subdivision of T. 18 S., R. 17 E.

Chains.	Undergrowth; scattering shadscale, yellow top and mountain rush. General drainage W. Fair growth of bunch grass.
	N.0°02'W., bet. secs. 27 and 28.
	Desc. abrupt rough E. slope 470 ft., over shallow draws and low spurs putting to the NE., through scattering timber and undergrowth.
20.90	Creek of clear alkali water, 3 lks. wide, 3 ins. deep, in the bottom of Poverty Canyon, course W.; asc. abruptly over large boulders and broken ledges 440 ft. to
40.00	True point for $\frac{1}{4}$ sec. cor. falls on sloping ledge, 15 ft. high, bearing N.30°W. and S.30°E.
40.39	On top of the ledge, set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and in a mound of stone for witness $\frac{1}{4}$ cor. of secs. 27 and 28, with brass cap mkd:
	$\frac{1}{4}$ S 28 | S 27 WC 1920
	As there are no trees suitable for marking, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Continue abrupt ascent of rough S. slope.
49.30	Foot of sloping N. rim of Poverty Canyon, 120 ft. high, bears N.70°W. and S.70°E.
53.20	Top of the rim, 425 ft. above witness $\frac{1}{4}$ sec. cor., bears N.70°W. and S.70°E.; over nearly level bench, through a medium growth of timber, bearing N.70°W. and S.70°E.
70.00	Leave medium growth of timber, bears E. and NW., and enter scattering.
70.20	Leave bench, bears E. and NW.; desc. abrupt NE. slope 400 ft., over large boulders and outcroppings to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 21, 22, 27 and 28, with brass cap mkd:
	T18S | R17E S21 | S22 S28 | S27 1920

Subdivision of T. 18 S., R. 17 E.

Chains.	The timber being too scrubby to mark for bearing trees, I raise a mound of stone, 2 ft. base, 1½ ft. high, w. of cor.
	Land; steep and rugged N. and S. sides of Poverty Canyon and S. side of Coal Creek Canyon; 17:00 chs. of gently rolling bench.
	Soil; red sand about 1 to 2 ft. deep, lying on clay or sandstone, on bench; shallow red sand on rough portions of mile.
	Timber; pinon pine and scrubby cedar.
	Undergrowth; scattering mountain rush and shadscale.
	Drainage S. to Poverty Canyon, S. 53.20 chs.; N. to Coal Creek Canyon, N. 26.80 chs.
	Sandstone formation of large boulders, broken ledges and rim-rock. Excellent growth of bunch grass.
	East, on a random line bet.:secs. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence, S.89°59'W., on a true line bet. secs. 22 and 27.
	Over rough mountainous land, through scattering timber; asc. along shelf of a ledge, 50 ft. high, bearing E. and W.
4.70	Leave ledge, bears E. and SW.; asc. SE. slope over boulders.
6.50	Spur, 75 ft. above sec. cor., projects S. about 3.00 chs. dist.; desc.
10.30	Rim-rock, 40 ft. high, bears NW. and SE., on the N. side of fork of Poverty Canyon.
12.50	Head of ravine, 55 ft. below spur, course S.; asc.
15.30	Rim-rock, 30 ft. high, bears NE. and SW., on the N. side of fork of Poverty Canyon.
39.97	On a S. slope, 205 ft. above head of ravine, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground

Subdivision of T. 18 S., R. 17 E.

Chains.	
	for $\frac{1}{4}$ sec. cor., with brass cap mkd: 31.00 ft.
.51.03	as abo; desc. 150 ft. up S. 22 B. T. dist., mkd. $\frac{1}{4}$ S 22 B. T.
51.04	gravelled road, 31.03 chs. dist., mkd. S 27 B. T. 1920
30.00	from which, 31.03 chs. dist., mkd. S 27 B. T.
30.00	A pinon pine, 5 ins. diam., bears N. $28^{\circ}45' E.$, 93 lks. dist., mkd. $\frac{1}{4}$ S 22 B. T.
	A cedar, 6 ins. diam., bears S. $58^{\circ}15' E.$, 36 lks. dist., mkd. $\frac{1}{4}$ S 27 B. T.
42.80	Broken ledge, 20 ft. high, bears N. $70^{\circ} E.$ and S. $70^{\circ} W.$.
52.70	Ridge, 140 ft. above 41 sec. cor., bears N. $70^{\circ} E.$ and S. $70^{\circ} W.$; desc. 300 ft. high, 31.03 chs.
66.70	Vertical ledge, 15 ft. high, bears NW. and SE.
74.20	Head of ravine, 560 ft. below ridge, course NW.; asc. 15 ft. to
79.94	The cor. of secs. 21, 22, 27 and 28. Land; steep and rough N. side of a fork of Poverty Canyon and S. side of main fork of Coal Creek Canyon. Soil; red sand about 2 ft. deep to bed-rock on some of the slopes, but very shallow and mostly rock exposed on the greater part of the mile. Compacted creosote oil. Timber; cedar and pinon pine. Undergrowth; short mountain rush, shadscale and yellow top.
80.00	Timber; cedar and pinon pine. Undergrowth; short mountain rush, shadscale and yellow top.
80.00	Drainage S., E. 52.70 chs.; NW., W. 27.24 chs.
80.00	Formation; outcroppings, large boulders and broken ledges of sandstone and limestone. Excellent grazing.
82.00	Desc. to 300 ft. from 20 sec. cor. to NE. slope N. $0^{\circ}02' W.$, bet. secs. 21 and 22.
82.00	Desc. abrupt NE. slope 375 ft., over large boulders and outcroppings, through scattering timber and undergrowth.
9.10	Ravine, course N. $70^{\circ} W.$; asc. 140 ft.
11.60	Spur, projects N. $70^{\circ} W.$ about 3.00 chs. dist.; desc. 275 ft. and 300 ft. to 30 sec. cor. to SW. side.
37.80	Creek of clear alkali water, 3 lks. wide, 3 ins. deep, in wash, 70 lks. wide, 5 ft. deep, in the bottom of Coal Creek Canyon, course W. 3.00 chs./, thence SW.;

Subdivision of T. 18 S., R. 17 E.

Chains.	asc. 25 ft.	Laqueo corral claim .1000 .000	an old
38.50	Spur, projects SE. about 3.00 chs. dist.; desc. 20 ft. to		
40.00	On S. bank of wash, 60 lks. wide, 5 ft. deep, bearing NW. and SE., set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:		
		• T 1920 E. 1. 1000 .000	
		S 21. S 22	
	As there are no trees suitable for bearing trees within a reasonable distance, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. .asch .1. 1000 .000		
40.30	Creek of clear alkali water, 3 lks. wide, 3 ins. deep, in the wash, in the bottom of Coal Creek Canyon, course SE.; asc. 135 ft.		
48.90	Spur, projects NW. approximately 10.00 chs. dist.; desc.		
51.90	Creek of clear alkali water, 3 lks. wide, 3 ins. deep, in wash, 70 lks. wide, 15 ft. deep, in the bottom of Coal Creek Canyon, course NW.; asc. 595 ft.		
62.20	Ascent becomes abrupt and changes from NW. and SE. to E. and W.; thence, over large boulders and a series of vertical ledges, 30 to 60 ft. high, bearing E. and W.		
79.10	Top of abrupt ascent, bears NW. and SE.; asc. gradually 10 ft. to		
80.00	On a SW. slope, set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 15, 16, 21 and 22, with brass cap mkd:		
		T 18S R 17E	
		S 16I S 15	
		S 21 S 22	
	All trees being too scrubby to mark for accessories to cor., I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.		
	Land; line crosses the steep and rough N. and S. sides of Coal Creek Canyon, over large sandstone boulders,		

Subdivision of T. 18 S., R. 17 E.

Chains.

broken ledges and rim-rock.
Soil; rocky red sand about 1 to 2 ft. deep, lying on a
hard brown clay or bed-rock.
Timber; cedar and pinon pine.
Undergrowth; scattering shadscale and mountain rush.
Drainage NW. to Coal Creek, S. 37° 80' chs.; S. to Coal
Creek, remainder of mile. Fair growth of grass.

N. 89° 59' E., on a random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.79.84 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
14, 15, 22 and 23.

Thence, N. 89° 56' W., on a true line bet. secs. 15 and 22.

Over rough mountainous land, through a medium growth of
timber and scattering undergrowth; desc. 35 ft. over
gradual NW. slope.7.80 Rim-rock, 40 ft. high, bears N. 30° W. and S. 30° E., on E.
side of fork of Coal Creek Canyon; desc. abrupt W.
slope 360 ft.

11.00 Top of broken ledge, 20 ft. high, bears N. and S. 30° E.

14.40 Vertical ledge, 100 ft. high, bears N. and S.

16.70 Dry wash, 30 lks. wide, 3 ft. deep, in the bottom of a
fork of Coal Creek Canyon, course N.; asc. 345. ft.29.20 Spur, projects N. approximately 10.00 chs. dist.; desc.
420 ft. to $\frac{1}{2}$ sec. cor.

34.30 Vertical ledge, 15 ft. high, bears NE. and SW.

39.92 On a rough W. slope, set an iron post, 3 ft. long, 1 in.
diam., 20 ins. in the ground to solid rock and in a
mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

S. 15

S. 22

1920

from which,

A cedar, 6 ins. diam., bears N. 20° W., 87 lks. dist.,
mkd. $\frac{1}{4}$ S. 15 B T.

A cedar, 4 ins. diam., bears S. 23° 45' E., 6 lks. dist.,

Subdivision of T. 18 S., R. 17 E.

Chains.	mkd. $\frac{1}{4}$ S 22 B.T.
46.00	Creek of clear alkali water, 3 lks. wide, 3 ins. deep, in wash, 25 lks. wide, 2 ft. deep, in the bottom of Coal Creek Canyon, course S. about 2.00 chs. dist., thence W.; asc. 70 ft.
48.90	Spur, projects S. about 1.00 ch. dist.; desc. 15 ft.
61.70	Head of draw, course S.; asc. 535 ft.
73.00	Vertical ledge, 60 ft. high, bears NE. and SW.
77.10	Spur, projects S. about 8.00 chs. dist.; desc. 35 ft. to
79.84	The cor. of secs. 15, 16, 21 and 22.
80.00	Land; line crosses the abrupt and rugged sides of a fork and the main canyon of Coal Creek.
	Soil; red sand, very shallow, except in the bottom of the main fork of Coal Creek Canyon, where it is several ft. deep.
	Timber; cedar and pinon pine.
	Undergrowth; scattering yellow top and mountain rush.
	Drainage NW., E. 29.20 chs.; remainder of mile drains SW. Sandstone formation. Very little grass.

N.0°02'W., bet. secs. 15 and 16.

	Over rough mountainous land, through scattering timber and undergrowth; desc. 15 ft.
2.00	Head of draw, course S. 10°W.; asc. 155 ft.
6.00	broken ledge, 20 ft. high, bears SE. and SW.
8.70	Spur, projects W. approximately 2.00 chs. dist.; desc. gradually 15 ft.
20.20	Swale, course W.; asc. 295 ft.
29.50	Vertical ledge, 10 ft. high, bears E. and NW.
39.50	Top of ascent, bears E. and W.; thence, over level bench.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:

$\frac{1}{4}$
S 16 S 15

1920

from which, 33.2 yards west and up.

Subdivision of T. 18 S., R. 17 E.

Chains.	
	A cedar, 6 ins. diam., bears S. 54° E., 206 lks. dist., mkd. $\frac{1}{4}$ S 15 B T.
	A cedar limb, 6 ins. diam., bears N. 88° 45' W., 79 lks. dist., mkd. $\frac{1}{4}$ S 16 B T.
49.30	Leave bench, bears E. and W.; desc. NE. slope 225 ft.
60.50	Ravine, course N. 10° W.; asc. 110 ft.
66.90	Spur, projects W. about 1.00 ch. dist.; desc. 155 ft.
77.70	Ravine, course W.; asc. 10 ft. to saddle between W. and N. W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 9, 10, 15 and 16, with brass cap mkd:
	T18S | R17E S9 | S10 S16 | S15 1920
	from which, from west, sec. 10, sec. 15, sec. 16.
	A pinon pine, 3 ins. diam., bears N. 85° 30' E., 168 lks. dist., mkd. T 18 S R 17 E S 10 B T.
	A pinon pine, 14 ins. diam., bears S. 4° 45' E., 113 lks. dist., mkd. T 18 S R 17 E S 15 B T.
	A pinon pine, 12 ins. diam., bears S. 49° 30' W., 118 lks. dist., mkd. T 18 S R 17 E S 16 B T.
	A cedar limb, 4 ins. diam., bears N. 57° W., 83 lks. dist., mkd. T 18 S R 17 E S 9 B T.
	Land; rough mountains with sandstone and limestone exposed in the form of large boulders and ledges.
	Soil; red sand, shallow, except on benches, where it is about 4 ins. in depth to about 2 or 3 ft. of light chalky clay, lying on bed-rock.
	Timber; cedar and pinon pine, more dense N. $\frac{1}{2}$ mile.
	Undergrowth; scattering yellow top, shadscale and mountain rush.
	Drainage S. with a southern exposure, S. $\frac{1}{2}$ mile; northern exposure and drainage NW., N. $\frac{1}{2}$ mile.
	Fair growth of bunch grass, inferior to sheep-mint.
	N. 89° 56' E., on a random line bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor. cor. 0.32 f. studio thermometer.

Subdivision of T. 18 S., R. 17 E.

Chains. 79.82	Intersect N. and S. line, 2 lks. N. of the cor. of secs. 10, 11, 14 and 15.	10 ft. 6 in. 6 ft. 6 in. S. 89° 57' W., on a true line bet. secs. 10 and 15.
10.00	Thence, E. S. E. descent, 1 mile, and S. 60° E. dist. A Asc. abrupt and rough E. slope 460 ft., through a medium growth of timber and scattering undergrowth.	08.00
9.60	Vertical ledge, 20 ft. high, bears NE. and SE.	09.00
17.00	Top of abrupt ascent, bears NE. and SE.; asc. gradually 55 ft. over gently rolling land to $\frac{1}{4}$ sec. cor.	09.00
17.50	Leave medium growth of timber, bears N. and S., and enter scattering.	09.00
33.60	Vertical ledge, 15 ft. high, bears NE. and SW.; enter a medium growth of timber, bears NE. and SW.	09.00
39.91	On a SE. slope, set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap, mkd:	09.00
	S 10 E. S. 15 B. T. 6 mi. A $\frac{1}{4}$ sec. cor. from which, raised 3 ins. and 1 in. mld. mrdg. A A pinon pine, 3 ins. diam., bears N. 55° 30' W., 57 lks.	1920
	dist., mkd. $\frac{1}{4}$ S 10 E. S. 15 B. T. 6 mi. A, mld. mrdg. A A pinon pine, 6 ins. diam., bears S. 22° W., 26 lks.	
44.10	Ridge, 30 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.;	
	desc. 50 ft. slope, w. ledges, base fort; 1108	
49.00	Draw, course N.; asc. 50 ft. and 4 lugs	
50.50	Leave medium growth of timber, bears N. and S., and enter scattering.	
65.20	Spur, projects NW.; desc. 285 ft. to sec. cor.	
72.20	Top of broken ledge, 20 ft. high, bears NW. and SE.	
79.82	The cor. of secs. 9, 10, 15 and 16. Land; rough mountains of broken ledges, boulders and rim-rock of sandstone and limestone formation. Soil; red sand, very shallow on greater portion of mile, but about 6 ins. in depth lying on a light, chalky subsoil about 1 ft. deep to bed-rock on some of (the)	

Subdivision of T. 18 S., R. 17 E.

Chains.	slopes.
	Timber; cedar and pinon pine.
	Undergrowth; scattering yellow top, shadscale and mountain rush.
	Eastern exposure and drainage, E. 44.10 chs.; W. 35.70 chs. drains NW. with a western exposure.
	Fair growth of bunch grass.
	N.0°02'W., bet. secs. 9 and 10.
	Asc. gradual S. slope 20 ft., over outcroppings and boulders, through scattering timber and undergrowth.
-7.90	W. extremity of spur; desc. 60 ft.
11.70	Ravine, course SW.; asc. 300 ft.
30.10	Ridge, bears E. and W.; desc. gradually 55 ft.
39.30	Desc. NE. slope more abruptly 10 ft. to cor.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	$\frac{1}{2}$
	S.9. S.10.
	1920
	from which,
	A pinon pine, 14 ins. diam., bears S.81°45'E., 104 lks. dist., mkd. $\frac{1}{4}$ S 10 B T.
	A cedar, 6 ins. diam., bears N.25°W., 77 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.
53.60	Draw, 185 ft. below $\frac{1}{4}$ sec. cor., course NE.; asc. 15 ft.
56.60	Spur, projects E. approximately 3.00 chs. dist.; desc. 315 ft.
65.30	Top of sloping ledge, 20 ft. high, bears NW. and SE.
69.80	Vertical ledge, 50 ft. high, bears E. and W.
70.80	Ravine, course NW.; asc. 85 ft. to sec. cor.
79.40	Vertical ledge, 30 ft. high, bears N.20°W. and S.20°E.
80.00	On a rough SW. slope, set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 3, 4, 9 and 10, with brass cap mkd:

Subdivision of T. 18 S., R. 17 E.

Chains.

T18S	R17E
S4	S3
S9	S10

1920

from which,

A cedar, 6 ins. diam., bears N. $46^{\circ}45' E.$, 50 lks. dist.,
mkd. T 18 S R 17 E S 3 B.T.

A cedar, 6 ins. diam., bears S. $58^{\circ}30' E.$, 112 lks. dist.,
mkd. T 18 S R 17 E S 10 B.T.

A cedar, 4 ins. diam., bears S. $2^{\circ}30' W.$, 8 lks. dist.,
mkd. T 18 S R 17 E S 9 B.T.

A cedar, 4 ins. diam., bears N. $2^{\circ}30' W.$, 70 lks. dist.,
mkd. T 18 S R 17 E S 4 B.T.

Land; rough mountains with sandstone and limestone exposed in the form of large boulders and ledges.

Soil; shallow red sand, lying on a light chalky clay 1 to 2 ft. deep to bed-rock.

Timber; scattering to a medium growth of cedar and pinon pine.

Undergrowth; scattering yellow, shadscale and mountain rush.

Drainage SW., S. 30.10 chs.; remainder of mile drains NW.

Fair growth of bunch grass.

N. $89^{\circ}57' E.$, on a random line bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.78 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 2, 3, 10 and 11.

Thence,

West, on a true line bet. secs. 3 and 10.

Desc. W. slope, over outcroppings and large boulders, through heavy timber and scattering undergrowth.

6.00 Base of descent, 85 ft. below sec. cor., bears N. and S.; leave boulders and outcroppings; desc. gradually 95 ft. over gently rolling bench.

14.30 Leave heavy timber, bears N. and S., and enter scattering.

26.20 Enter heavy timber, bears NW. and SE.

Subdivision of T. 18 S., R. 17 E.

Chains.	
33.40	Leave heavy timber, bears NW. and SE., and enter a medium growth.
33.70	Rim-rock, 60 ft. high, bears NW. and SE.; leave bench, and desc. abrupt SW. slope 150 ft., over large boulders and outcroppings to
39.89	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a crevice bet. two large boulders and surrounded by a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	A cedar limb, 4 ins. diam., bears N. $19^{\circ}30'W.$, 27 lks. dist., mkd. $\frac{1}{4}$ S 3 B T.
	A cedar limb, 6 ins. diam., bears S. $18^{\circ}30'W.$, 47 lks. dist., mkd. $\frac{1}{4}$ S 10 B T.
44.30	Ravine, 85 ft. below $\frac{1}{4}$ sec. cor., course NW.; asc. abruptly 150 ft. over large boulders and broken ledges.
56.00	Top of ascent, bears NW. and SE.; leave boulders and outcroppings; thence over nearly level spur, project-
61.80	Desc. abrupt NW. slope 80 ft.
65.00	Leave medium growth of timber, bears NE. and SW., and enter scattering, at the base of abrupt descent, bearing NE. and SW.; thence over nearly level bench.
73.00	Leave bench, bears NE. and S.; desc. abrupt SW. slope 185 ft. to
79.78	The cor. of secs. 3, 4, 9 and 10. Land; steep and rough mountains with sandstone and limestone boulders, ledges and rim-rock.
	Soil; red sand a few ins. deep, lying on a light chalky clay or on bed-rock, on benches; very shallow red sand on other portions of mile.
	Timber; cedar and pinon pine.
	Undergrowth; yellow top, shadscale and mountain rush; dense on benches.
	General drainage NW. E. and W. exposure. Fair grazing.

Subdivision of T. 18 S., R. 17 E.

Chains.	Notes
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.38	Intersect the N. bdy. of the Tp., 9 lks. E. of the cor. of secs. 3, 4, 33 and 34, hereinbefore described.
	Thence,
1.00	Leave medium growth of timber, bears E. and W., scattering.
1.10	Rim-rock, 15 ft. high, bears SE. and SW.; desc. S. slope 130 ft., over large boulders and broken ledges.
24.60	Leave boulders and ledges at the base of abrupt descent, bearing E. and W.; thence over gently rolling bench.
26.60	Ravine, 25 ft. below base of abrupt descent, course S. 70°W.; asc. 55 ft.
28.40	Spur, projects W.; desc. 45 ft.
29.60	Swale, course W.; asc. gradually 65 ft. to
40.38	On a gentle N. slope, set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	$\frac{1}{4}$ S 4 S 3
44.60	S. edge of bench, 15 ft. above $\frac{1}{4}$ sec. cor.; bears E. and W.; desc. abruptly 415 ft.
52.50	Vertical ledge, 40 ft. high, bears N. 80°E. and S. 80°W.
63.50	Vertical ledge, 40 ft. high, bears E. and W.
68.80	Saleratus Canyon, from NE., course SW.; asc. 185 ft.
71.30	Vertical ledge, 60 ft. high, bears NE. and SW.
79.80	Top of ascent, bears NE. and S.; desc. 5 ft. to
80.38	The cor. of secs. 3, 4, 9 and 10, no names Land; steep and rough mountains with sandstone and lime-

Subdivision of T. 18 S., R. 17 E.

Chains.	stone exposed in the form of large boulders, ledges and rim-rock.
1.00	Soil; red sand a few ins. deep, lying on a light chalky clay or on bed-rock, on benches; very shallow red sand on other portions of slope.
2.00	Timber; cedar and pinon pine.
3.00	Undergrowth; yellow top, shadscale and mountain rush, dense on benches.
4.00	Drainage generally to the W., N. 44.60 chs.; S. 35.80 arched chs. drains SW. Fair growth of bunch grass.
5.00	From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., hereinbefore described.
6.00	N. 0°03' W., bet. secs. 32 and 33.
7.00	Desc. gradual NW. slope 35 ft., through scattering timber and undergrowth.
2.00	Rim-rock, 40 ft. high, bears NW. and SE., on the S. side of Rattlesnake Canyon; desc. abrupt NE. slope 345 ft., over large boulders and outcroppings.
15.83	Wire fence across Rattlesnake Canyon, bears NE. and SW.
16.90	Creek of muddy alkali water, 8 lks. wide, 6 ins. deep, cut in wash, 20 lks. wide, 1 ft. deep, in the bottom of Rattlesnake Canyon, course NW.; leave boulders and outcroppings, bears NW. and SE.; asc. gradually 15 ft.
17.40	Ascent becomes more abrupt over large boulders and slide rock, bearing NW. and SE.
25.80	Top of abrupt ascent, 115 ft. above base of ascent, bears NE. and SE.; desc. 25 ft.
29.20	Bottom of draw, course SW.; leave boulders; begin abrupt ascent of 210 ft. to $\frac{1}{4}$ sec. cor.
33.50	Top of vertical ledge, 100 ft. high, bears E. and W.
40.00	On a rugged S. slope, set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	$\frac{1}{4}$
	S 32 S 33
	1920

Subdivision of T. 18 S., R. 17 E.

- Chains.** As there are no trees available suitable to mark, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. From this $\frac{1}{4}$ sec. cor. N., the N. side of Rattlesnake Canyon is very abrupt with high ledges and cliffs, which make chaining impracticable; therefore I make a triangulation as follows:
- Set a flag on line on top of rim-rock on the N. side of Rattlesnake Canyon, and use the E. $\frac{1}{2}$ mile bet. secs. 5 and 32, on the S. bdy. of the Tp., as a base line. From the $\frac{1}{4}$ cor. of secs. 5 and 32, the flag bears N. $30^{\circ}32' E.$; from the flag this $\frac{1}{4}$ sec. cor. bears S. $30^{\circ}32' W.$ All bearings checked by direct reading of the solar, and by separate measurement of each angle by deflection, they are found respectively $89^{\circ}57'$, $59^{\circ}28'$, and $30^{\circ}35'$; their sum being equal to $180^{\circ}00'$.
- Dist. by triangulation = 67.72 chs.
- 67.70 Rim-rock, 20 ft. high, bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$; asc. gradually 15 ft.
- 69.20 Ridge, bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$; precipitous descent of 225 ft. over large boulders and broken ledges to
- 80.00 On a rugged N. slope, set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 28, 29, 32 and 33, with brass cap mkd;
-
- T18S R17E
S29 S28
S32 S33
1920
- As there are no trees within limits suitable to mark, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land; steep slopes of Rattlesnake and Poverty Canyons with outcroppings of cliffs, ledges, rim-rock and large boulders.
- Soil; very shallow, rocky red sand.
- Timber; scattering pinon pine and scrubby cedar.

Subdivision of T. 18 S., R. 17 E.

Chains.	
	Undergrowth; scattering yellow top and shadscale.
	Drainage N. and S. to Rattlesnake and Poverty Canyons.
	Excellent growth of bunch grass on N. slopes.
	Sandstone formation.
40.00	East, on a random line bet. secs. 28 and 33. Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. and S. line, 4 lks. N. of the cor. of secs. 27, 28, 33 and 34. Thence, N.89°58'W., on a true line bet. secs. 28 and 33.
	Asc. abrupt E. slope 205 ft., over broken ledges and large boulders, through scattering timber and undergrowth.
8.37	Set flag for triangulation.
9.60	Sharp rugged spur, projects N.; desc. 135 ft. along abrupt N. slope of Poverty Canyon, over large boulders and outcroppings to
39.90	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd: S 28 $\frac{1}{4}$ sec. cor. and mld. m. d. 1920 S 33
	All trees within a reasonable distance too scrubby to mark; therefore I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. 66' elevation fin.
72.90	Ravine, 685 ft. below $\frac{1}{2}$ sec. cor., course N.; asc. abruptly 220 ft. over large boulders to
79.80	The cor. of secs. 28, 29, 32 and 33. Land; steep and rugged N. slope of Poverty Canyon. Soil; loose, rocky, red sand a few ins. deep to a shallow clay. Timber; scattering scrubby cedar and a few pinon pine. Undergrowth; scattering mountain rush.
	Sandstone formation. Drainage N. Excellent grazing.

Subdivision of T. 18 S., R. 17 E.

Chains.	
	N. 0°03' W., bet. secs. 28 and 29.
	Desc. abrupt N. slope 840 ft., over large boulders and outcroppings, through scattering timber and undergrowth.
22.90	Vertical ledge, 50 ft. high; bears NW. and SE.
33.90	Creek of clear alkali water, 3 lks. wide, 2 ins. deep, in the bottom of Poverty Canyon, course NW.; asc.
40.00	abruptly 120 ft. over broken ledges and boulders to On a W. slope, set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 29 | S 28 1920
	As there are no trees available suitable to mark, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	N. from this cor. chaining is impracticable, owing to high ledges and cliffs on the abrupt N. side of Poverty Canyon; therefore to determine the remaining distance of mile I make the following triangulation:
	Set a flag on line on N. side of canyon, and use the W. 71.43 chs. bet. secs. 28 and 33, as a base line.
	From the flag, the E. end of the base bears S. 41°12'E.;
	and from the E. end of the base the flag bears N. 41°12'W.
	All bearings checked by direct reading of the solar, and by separate measurement of each angle by deflection, they are found respectively $90^{\circ}05'$, $41^{\circ}09'$ and $48^{\circ}46'$; their sum being equal to $180^{\circ}00'$.
	Dist. by triangulation from cor. of secs. 28, 29, 32 and 33 to flag = 81.63 chs. N 89°58'W. 71.43 chs.
	Dist. S. 0°03'E. by return measurement = 1.63 chs. 80.00 chs.
	True point for cor. of secs. 20, 21, 28 and 29 falls on a sloping ledge, 15 ft. high, bearing N. 70°W. and

Subdivision of T. 18 S., R. 17 E.

Chains.	at	point	at
79.80	mark a cross at true Thence, S.09°03'E. 0.20 chs., and		
/79.80	At the foot of the ledge, set and iron post, 3 ft. long,		
	2 ins. diam., 20 ins. in the ground to solid rock and		
	in a mound of stone for witness cor. of secs. 20, 21,		
	28 and 29; with brass cap mkd: no bearing no. 1918		
	T18S _W C _R 17E S.09°03'E. 0.20 chs.		
	S20 S21		
acres 16	accord to M. and S. cor. S29 S28 N. Sec. 20, 21, 28 and 29	1920	
	All trees within a reasonable distance being too scrubby		
	to mark, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.		
	high, W. of cor.		
	This witness cor. stands on an abrupt SW. slope, 525 ft.		
	above $\frac{1}{4}$ sec. cor.		Set
80.00	True point for cor. of secs. 20, 21, 28 and 29; cor. of		
	Land; steep N. and S. sides of Poverty Canyon.		
	Soil; very shallow red sand, and mostly rock exposed in		
	the form of large boulders, ledges, cliffs and rim-		
	rock.		
	Timber; few scattering cedar and pinon pine.		
	Undergrowth; scattering shadscale, mountain rush and		
	yellow top.		
	Drainage generally to the NW. Sandstone formation.		
	Scattering growth of bunch grass.		
	S.89°58'E., non. a random line bet. secs. 21 and 28, from		
	the true point for cor. of secs. 20, 21, 28 and 29.		
	E. from the cor. of secs. 20, 21, 28 and 29, line follows		
	along the steep and rugged N. side of Poverty Canyon;		
	over high ledges which make chaining impracticable;		
	therefore I make the following triangulation:		
	Set a point on line on top of ridge; then from a flag		
	set N.89°51'W. 11.11 chs. dist. from the cor. of secs.		
	28, 29, 32 and 33, this point bears N.26°47'E. From		
	the point on ridge the flag bears S.26°47'W.; and the		
	angles of the triangle are respectively 89°55', 26°50'		
	and 63°15'; their sum being equal to 180°00'. 89.89		
	All bearings checked by direct reading of the solar;		

Subdivision of T. 18 S., R. 17 E.

Chains. and angles checked by deflection. In computing the distance I use the base of 79.98 chs. which is parallel to the line bet. secs. 28 and 29. Jul 15
S99°58'E
40.43 chs.

Dist. by triangulation = 40.43 chs. N. 00°03' W.
79.98 chs.
N. 26°47'E.

Dist. N. 89°58'W. of cor. of secs. 20, 21, 28 and 29, to be subtracted = 11.11 chs.

Dist. on random line Q90 = 29.32 chs. N. 00°03' W.
79.98 chs.
N. 26°47'E.

40.00 Set temp. $\frac{1}{4}$ sec. cor. RT

79.86 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 21, 22, 27 and 28.

Thence, sec. 21, going to bridge across it, front of N. 89°54'W., on a true line bet. secs. 21 and 28.

Asc. along rough N. slope 50 ft., through scattering rocks and shrubs, no timber, very scattered stiff timber and undergrowth.

5.70 Spur, projects N. about 2.00 chs. dist.; desc. 265 ft.

11.00 Ravine, course N.; asc. 465 ft. over large boulders and a series of ledges, 10 to 40 ft. high, bearing N. 60°W. and S. 60°E. to

39.93 On a NE. slope, set an iron post, 3 ft. long, 1 in. diam. being mostly bare timber sparsely scattered with small diam., 16 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd: S 21
S 28
easterly corner 1920

As there are no trees within limits suitable for marking, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. 45° E. 18.00 ins. to top of post and on top of post of cor. 22.18.00 ins. to top of post.

49.50 Leave ledges, bears N. 60°W. and S. 60°E. hole

50.54 Point of triangulation, on top of sharp, rugged ridge, in 295 ft. above $\frac{1}{4}$ sec. cor., bearing NW. and SE.; desc. abruptly 275 ft. over large boulders and broken ledges.

52.80 Approximately. Vertical ledge; 60' ft. high; bears NW. and SE. across valley about 28 hrs. 28, 29, 30

54.50 Approximately. Head of ravine, course S. 20°E.; asc. 150 ft. over boulders and slide-rocks top before

79.86 The true point for station cor. of secs. 20, 21, 28 and 29. 2 miles N. 60°E. from cor. of secs. 20, 21, 28 and 29.

Subdivision of T. 18 S., R. 17 E.

Chains.	Land; steep S. side of Coal Creek and N. side of Poverty Canyons. Soil; shallow and rocky red sand, lying on a dark clay or bed-rock. Timber; scattering to a medium growth of scrubby cedar and pinon pine. Undergrowth; scattering mountain rush, E. 50.50 chs. Formation; sandstone boulders, ledges and cliffs. Drainage N. to Coal Creek, E. 50.54 chs.; W. 29.32 chs. drains S. to Poverty Canyon. Excellent grazing, E. 50.50 chs.
From the true point for cor. of secs. 20, 21, 28 and 29, N. 0°03' W., bet. secs. 20 and 21.	
Asc. abrupt and barren. SW. slope 175 ft., over large boulders and broken ledges.	
6.10 Rim-rock, 100 ft. high, bears SE. and NW. about 0.50 chs dist., thence N., on the N. side of Poverty Canyon; thence, over level top of ridge, bearing E. and W.	
7.00 Rim-rock, 100 ft. high, bears SE. and NW. about 0.50 chs dist., thence S., on the S. side of Coal Creek Canyon; precipitous descent of 800 ft. to $\frac{1}{4}$ sec. cor., over large boulders and broken ledges on N. slope, and through a medium growth of timber, bearing E. and W.	
40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd: 10-1920	
	S 20 S 21

1920

All trees within limits being too scrubby to mark, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W

Report of committee on printed publications

Timber becomes more scattering, bearing E. and W.; continue abrupt descent of 155. ft.

Subdivision of T. 18 S., R. 17 E.

Chains.	
44.40	Creek of clear alkali water, 3 lks. wide, 4 ins. deep, in wash, 20 lks. wide, 18 ins. deep, in the bottom of Coal Creek Canyon, course W.; asc. abruptly 1145 ft. over boulders and broken ledges to
76.70	Rim-rock, 45 ft. high, bears E. and W., on the N. side of Coal Creek Canyon; asc. gradually 20 ft. along a sloping ledge, 60 ft. high, bearing S. and N. $20^{\circ}W.$ to
80.00	On the face of the ledge, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a crevice and surrounded by a mound of stone for cor. of secs. 16, 17, 20 and 21, with brass cap mkd:
	T18S | R17E S17 | S16 S20 | S21 1920
	from which,
	A pinon pine, 6 ins. diam., bears N. $35^{\circ}15'W.$, 50 lks. dist., mkd. T 18 S R 17 E S 16 B T.
	A pinon pine, 8. ins. diam., bears S. $33^{\circ}15'E.$, 53 lks. dist., mkd. T 18 S R 17 E S 21 B T.
	A cedar, 6 ins. diam., bears S. $44^{\circ}W.$, 197 lks. dist., mkd. T 18 S R 17 E S 20 B T.
	A pinon pine, 10 ins. diam., bears N. $34^{\circ}W.$, 334 lks. dist., mkd. T 18 S R 17 E S 17 B T.
	Land; line crosses the steep and rugged N. side of Poverty Canyon and the N. and S. sides of Coal Creek Canyon. Soil; shallow red sand, lying on a shallow clay, on the S. side of Coal Creek Canyon; rock exposed on other portions of the mile.
	Timber; cedar and pinon pine.
	Undergrowth; sparse growth of shadscale and mountain rush.
	Formation; sandstone. Coal and shale veins from a few ins. to 18 ins. deep exposed on the sides of canyons and washes. Spar outcroppings on N. side of Coal Creek Canyon.
	General drainage W. No grass.

Subdivision of T. 18 S., R. 17 E.

- Chains. S.89°54'E., on a random line bet. secs. 16 and 21: ^{marked}
- 40.00 Set temp. $\frac{1}{4}$ sec. cor. ^{marked line sample markings}
- 79.96 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 15, 16, 21 and 22.
- Thence, N.E. from 25' leap. desc. N.89°0.1'
- N.89°57'W., on a true line bet. secs. 16 and 21.
- Over steep and rough mountainous land, through scattering timber and undergrowth; desc. SW. slope 20 ft.
- 0.40 Draw, course S.; asc. 35 ft. ^{marked line sample}
- 3.20 Rim-rock, 10 ft. high, bears N.20°E. and S.20°W.; thence, over level top of spur, projecting S. about 1.50 chs. dist. ^{marked line sample}
- 4.20 Rim-rock, 15 ft. high, bears NW. and SE.; desc. 110 ft.
- 15.30 Draw, course SE.; asc. 225 ft. to $\frac{1}{4}$ sec. cor.
- 21.40 Vertical ledge, 70 ft. high, bears N.60°E. and S.60°W.
- 29.50 Vertical ledge, 60 ft. high, bears N.70°E. and S.70°W.
- 39.98 On a gradual S. slope, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd: ^{marked line sample} S 16
- 43.00 Extreme S. point of a series of broken ledges, 20 to 50 ft. high, bearing NE. and SW. ^{marked line sample}
- 56.00 Leave broken ledges, bears NE. and SW.
- 79.00 Spur, 100 ft. above $\frac{1}{4}$ sec. cor., projects S. about 3.00 chs. dist.; desc. 45 ft. over sloping ledge, 60 ft. high, bearing S. and N.20°W. to
- 79.96 The cor. of secs. 16, 17, 20 and 21. ^{marked line sample}
- Land; line runs along the S. edge of Boulder Mesa, over which is the rounded outcrop of rock upon which large sandstone boulders, broken ledges and rim-rock. ^{marked line sample}
- Soil; red sand a few ins. deep, lying on a shallow clay or on bed-rock. ^{marked line sample}
- Timber; scattering scrubby cedar and a few pinon pine. ^{marked line sample}

Subdivision of T. 18 S., R. 17 E.

Chains.	Undergrowth; scattering shadscale and mountain rush. Southern exposure and drainage. Excellent growth of grass.
	N.0°03'W., bet. secs. 16 and 17.
	Asc. 30 ft. over boulders and outcroppings on Boulder Mesa, through a scattering growth of timber and undergrowth.
5.70	N. edge of Boulder Mesa, bears NE. and SW.; desc. abruptly 200 ft. along NW. slope over outcroppings and broken ledges, bearing NE. and SW. No east survey.
12.20	Top of broken ledge, 40 ft. high, bears NE. and SW.
23.80	Vertical ledge, 30 ft. high, bears NW. and SW., in the head of gulch, draining SW.; asc. 60 ft. over outcroppings.
30.20	Ridge, bears N.85°E. and S.85°W. approximately 10.00 chs. dist., thence N.80°W.; desc. 385 ft. over abrupt N. slope to $\frac{1}{4}$ sec. cor.
32.30	Vertical ledge, 40 ft. high, bears N.70°E. and S.70°W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$ S 16 B T.
	S 17 | S 16
42.00	Set of vertical timber in 1920 from which,
	A cedar, 6 ins. diam., bears N.31°E., 51 lks. dist., mkd. $\frac{1}{4}$ S 16 B T.
40.8	A pinon pine, 6 ins. diam., bears S.39°W., 139 lks. dist., mkd. $\frac{1}{4}$ S 17 B T.
44.00	Ravine, 40 ft. below $\frac{1}{4}$ sec. cor., course NW.; asc. 35 ft.
48.40	Spur, projects NW. about 8.00 chs. dist.; desc. 95 ft.
53.80	Seepage of soapy water in the bottom of a fork of Sale-ratus Canyon, course W.; asc. abruptly 525 ft.
63.10	Vertical ledge, 120 ft. high, bears E. and W.
69.30	Top of broken ledge, 10 ft. high, bears E. and W.

Subdivision of T. 18 S., R. 17 E.

Chains.	
78.60	Spur, projects W. approximately 15.00 chs. dist.; desc. 60 ft. to
80.00	On a rough N. slope, set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 8, 9, 16 and 17, with brass cap mkd: 31
	T18S | R17E S8 S9 S17 S16
	There are no trees available suitable for marking, therefore I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land; steep and rough mountains of large sandstone boulders and outcroppings.
	Soil; red sand, very shallow and mostly rock exposed.
	Timber; scattering to a medium growth of cedar and pinon pine.
	Undergrowth; sparse growth of yellow top and mountain rush.
	Drainage SW. to Coal Creek Canyon, S. 30.20 chs.; N. 49.80 chs. drains generally W.
	Fair growth of bunch grass on slopes.
40.00	S. 89°57'E., on a random line bet. secs. 9 and 16. Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 9, 10, 15 and 16.
	Thence, West, on a true line bet. secs. 9 and 16.
	Over rough mountainous land, through a scattering growth of timber and undergrowth; desc. 75 ft. over SW. slope.
5.40	Ravine, course NW.; asc. 30 ft.
7.50	Spur, projects N. about 3.00 chs. dist.; desc. 65 ft.
12.50	Fork of Saleratus Canyon, course SW.; asc. 40 ft.
20.70	Spur, projects S. about 1.00 ch. dist.; desc. 145 ft.
20.80	Vertical ledge, 50 ft. high, bears NW. and SW.
26.00	Fork of Saleratus Canyon, from SE., course S.80°W.; asc.

Subdivision of T. 18 S., R. 17 E.

Chains.	
25 ft.	
33.40	Spur, projects S. about 1.00 ch. dist.; desc. 85 ft. to
39.95	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	$\frac{1}{2}$ S 9 B T
	S 16: date quo 1920
	from which,
	A cedar, 6 ins. diam., bears N.51°E., 14 lks. dist., mkd. $\frac{1}{2}$ S 9 B T.
	A cedar limb, 6 ins. diam., bears S.70°30'E., 101 lks. dist., mkd. $\frac{1}{2}$ S 16 B T.
48.00	Fork of Saleratus Canyon, 110 ft. below $\frac{1}{2}$ sec. cor., course NW.; asc. 10 ft.
50.60	Spur, projects N. about 1.00 ch. dist.; desc. 30 ft.
52.60	Fork of Saleratus Canyon, course SW.; asc. 330 ft.
58.20	Top of sloping ledge, 30 ft. high, bears N.60°E. and S.60°W.
66.40	Ridge, bears NE. and S.80°W.; desc. gradually 80 ft. along N. slope to
/79.90	The cor. of secs. 8, 9, 16 and 17. Land; line crosses NW. and SE. slopes of a fork of Saleratus Canyon, E. 66.40 chs., and NW. slope of main Saleratus Canyon, W. 13.50 chs. Soil; very shallow red sand. Timber; scattering to a medium growth of cedar and pinon pine. Undergrowth; scattering mountain rush and shadscale. Formation; sandstone boulders and ledges, and outcroppings. of limestone. General drainage SW. Excellent growth of bunch grass.
12.40	Dry wash, 80 lks. wide, 1 ft. deep, in the bottom of wash. S. extension of S. slope, nothing underlaid by soil. 60.00

Subdivision of T. 18 S., R. 17 E.

Chains.	Saleratus Canyon, course W.; asc. abruptly 595 ft.
19.80	Vertical ledge, 30 ft. high, bears E. and W.; thence, over a series of broken ledges, 20 to 40 ft. high, bearing E. and W.
30.00	Spur, projects SE. about 20.00 chs. dist.; desc. gradually 25 ft. over boulders and broken ledges, bearing N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd: S 8 | S 9
47.60	Head of ravine, 10 ft. below $\frac{1}{4}$ sec. cor., course SE.; asc. 110 ft. to top of small draw, 15 ft. dist. to base of rim-rock, 30 ft. high, bearing N. 70° E.
49.80	Top of sloping rim-rock, 20 ft. high, bears E. and W.; thence, over rolling bench, through heavy timber, bearing E. and W.
53.20	Draw, 20 ft. below rim-rock, course N. 70° E.; asc. 15 ft.
58.40	Spur, projects E. about 8.00 chs. dist.; desc. 40 ft.
76.80	Draw, course E.; asc. 15 ft. to top of rim-rock, 30 ft. high, bearing N. 70° E.
80.00	On a gentle S. slope, set an iron post, 3 ft. long, 2 ins. diam., over a cross(X) at true point, on bed-rock and surrounded by a mound of stone for cor. of secs. 4, 5, 8 and 9, with brass cap mkd: S 5 | S 4
	T 18 S R 17 E Section 8 1920
	S 8 | S 9
	from which, 100 ft. south, set another iron post for cor. of secs. 4, 5, 8 and 9, with brass cap mkd: S 8 | S 9
	T 18 S R 17 E Section 9 1920
	A pinon pine, 10 ins. diam., bears N. 56° E., 43 lks. dist., mkd. T 18 S R 17 E S 4 B T.
	A pinon pine, 10 ins. diam., bears S. 25° E., 202 lks. dist., mkd. T 18 S R 17 E S 9 B T.

Subdivision of T. 18 S., R. 17 E.

Chains. A pinon pine, 8 ins. diam., bears S.22°W., 106 lks. dist., mkd. T 18 S R 17 E S 8 B T.

A pinon pine, 14 ins. diam., bears N.69°45'W., 94 lks. dist., mkd. T 18 S R 17 E S. 5 B T.

Land; abrupt sides of Saleratus Canyon with boulders, ledges and cliffs, S. 49.80 chs.; rolling bench with outcroppings and surface rock exposed, N. 30.20 chs.

Soil; very shallow red sand.

Timber; cedar and pinon pine, scattering and scrubby, S. 49.80 chs., dense N. 30.20 chs.

Undergrowth; sparse growth of yellow top, shadscale and mountain rush.

General drainage SW. Fair growth of bunch grass.

Sandstone formation.

East, on a random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.98 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence, S. 89°53'W., on a true line bet. secs. 4 and 9.

Desc. 230 ft. over rough SW. slope, through scattering timber and undergrowth.

5.70 Dry wash, 20 lks. wide, 2 ft. deep, in the bottom of Saleratus Canyon, course SW.; asc. 190 ft.

17.10 Top of ascent, bears E. and W.; desc. 10 ft.

24.20 Draw, course SE.; asc. 270 ft.

36.80 Spur, projects S. about 15.00 chs. dist.; desc. 40 ft.

39.99 On a rough W. slope, set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

S 4S 9

1920

from which,

A cedar, 6 ins. diam., bears N.65°45'W., 111 lks. dist., mkd. $\frac{1}{2}$ S 4 B T.

Subdivision of T. 18 S., R. 17 E.

Chains.	A cedar, 6 ins. diam., bears S. 51° 15' E., 8 lks. dist., mkd. $\frac{1}{4}$ S. 9 B. T.
58.80	Vertical ledge, 20 ft. high, bears N. and S.
63.60	Ravine, 340 ft. below $\frac{1}{4}$ sec. cor., course S.; asc. abruptly.
71.50	Vertical ledge, 20 ft. high, bears N. and S.
77.60	Rim-rock, 15 ft. high, bears N. and S., at the top of abrupt ascent, bearing N. and S., 250 ft. above ravine;
/ 79.98	asc. gradually 15 ft. along S. slope to The cor. of secs. 4, 5, 8 and 9.
	Land; steep and rough mountains with rock exposed nearly entire mile in the form of boulders, ledges, rim-rock and bed-rock.
	Soil; red sand, shallow greater portion of mile, but about 1 ft. deep to bed-rock near $\frac{1}{4}$ sec. cor.
	Timber; cedar and pinon pine, scattering and scrubby, E. $\frac{1}{2}$ mile, medium growth, W. $\frac{1}{2}$ mile.
42.03	Undergrowth; sparse growth of yellow top and mountain rush.
53.32	Drainage SW., E. 36.80 chs.; remainder of mile drains S. Scattering growth of bunch grass.
	Formation; sandstone and limestone.
40.00	N. 0° 16' E., on a random line bet. secs. 4 and 5. Set temp. $\frac{1}{4}$ sec. cor.
80.51	Intersect the N. bdy. of the Tp., 9 lks. E. of the cor. of secs. 4, 5, 32 and 33, hereinbefore described.
	Thence,
	S. 0° 12' W., on a true line bet. secs. 4 and 5.
	Asc. abruptly rough N. slope 480 ft., through a medium growth of timber and scattering undergrowth.
20.00	Leave medium growth of timber, bears E. and W., and enter scattering.
20.50	Spur, projects W. about 1.00 ch. dist.; desc. 65 ft.
23.60	Head of ravine, course W.; asc. 40 ft.
35.50	N. edge of bench, bears E. and W.; thence, desc. 30 ft.

Subdivision of T. 18 S., R. 17 E.

Chains.	Description
40.51	over rolling land to solid rock and a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd. 1920, desc. 60 ft. from which, A cedar, 8 ins. diam., bears S.11°E., 42 lks. dist., mkd. $\frac{1}{4}$ S 4 B T. A cedar, 6 ins. diam., bears S.23°30'W., 244 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.
41.40	Enter a medium growth of timber, bears NE. and SW., on the S. edge of bench, bearing NE. and SW., 5 ft. below the cor. of sec. 4, desc. 130 ft. S. slope 130 ft.
50.90	Head of draw, course SE.; asc. 60 ft.
55.00	Spur, projects SE. about 3.00 chs. dist.; desc. 60 ft.
59.50	Draw, course S.60°E.; asc. 30 ft.
77.60	Spur, projects E. about 1.00 ch. dist.; desc. 25 ft. to The cor. of secs. 4, 5, 8 and 9.
80.51	Land; rough mountainous land with outcroppings of ledges and boulders of sandstone and limestone. Soil; very shallow on greater portion of mile, but about 1 ft. deep on bed-rock on bench. Timber; cedar and pinon pine. Undergrowth; yellow top, shadscale and mountain rush, dense on bench, scattering on remainder of mile.
81.06	Excellent growth of bunch grass, N. $\frac{1}{2}$ mile, scattering S. $\frac{1}{2}$ mile.
81.08	Drainage NW., N. 35.50 chs.; S. 45.00 chs. drains SE.
81.08	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., hereinbefore described.
81.08	N. 0°03'W., bet. secs. 31 and 32.
81.08	Desc. abruptly 395 ft. over rough N. slope, through scattering timber and undergrowth.

Subdivision of T. 18 S., R. 17 E.

Chains.

- 17.70 Base of abrupt descent, bears E. and W.; desc. gradually 70 ft.
- 20.00 Leave scattering timber, bears E. and W.
- 32.10 S. wall of Rattlesnake Canyon, 80 ft. high, bears E. and W.; creek of muddy alkali water, 20 ft. wide, 4 ins. deep, in the bottom of canyon, course N.; thence over level creek bed.
- 34.30 N. wall of Rattlesnake Canyon, 80 ft. high, bears E. and W.; asc. gradually 70 ft. from top of wall to 1 sec. cor.
- 40.00 On a rough S. slope, set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap riv'd:
- | | |
|------|------|
| S 31 | S 32 |
|------|------|
- 1920
- and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- Asc. abruptly 440 ft. over pinnacles and broken ledge, 20 to 50 ft. high, bearing E. and W.
- 50.60 Rim-rock, 20 ft. high, bears E. and W., on the N. side of Rattlesnake Canyon; asc. S. slope more gradually 110 ft.
- 54.94 Set flag for triangulation, on top of broken ledge, 30 ft. high, bearing E. and W., on top of ridge, bearing E. and W.; desc. abruptly 670 ft. over rough N. slope to
- 60.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 29, 30, 31 and 32, with brass cap riv'd:
- | | |
|--------------|------|
| TIES / RIV'D | |
| S 30 | S 32 |
- | | |
|------|------|
| S 31 | S 33 |
|------|------|
- 1920
- and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- Land: steep N. and S. slopes of sandstone pinnacles, broken and vertical ledges, and large boulders.

Subdivision of T. 18 S., R. 17 E.

Chains. -faulds	Soil; shallow and rocky red sand. Depth to bedrock 0.5'. Timber; scattering scrubby cedar. .30' OV of .10 chs. 30' thick. Reddish brown color around 0.6.00 Undergrowth; scattering shadscale and yellow top. 0.10 chs. Drainage N. and S. to Rattlesnake and Green River Canyons, therefore W. Excellent growth of bunch grass. .50 chs. above level road
40.00	East, nonia random line bet. secs. 329 and 32. At 08.46 Set Temp. $\frac{1}{4}$ sec. cor. .51 OV of distance .50 chs. .10 E. from this point for a distance of about 30.00 chs., the line passes over series of ledges, 20 to 50 ft. high; on an abrupt N. slope; making chaining impracticable; therefore I make the following triangulation: Set a flag on line on top of spur, and use the N. bet. secs. 31 and 32, 25.06 chs./as a base line. From the S. end of the base the flag on random line bears N.70°02'E., and from the flag, the S. end of the base, bears S.70°02'W. All bear- ings checked by direct reading of the solar, and all angles measured by deflection and are found to be 89°57', 70°05' and 19°56'; their sum being equal to $180^{\circ}00'$. equal to .8 sec. (approximate) distance to Dist. by triangulation = 69.00 chs.; thence E. on random line. (I got no triangulation for half sec 40.46 Intersect N. and S. line; 12 lks. S. of the cor. of secs. 28, 29, 32 and 33. at 08.46 Thence, S.89°55'W., on a true line bet. secs. 29 and 32. 00.08 Asc. abruptly 240 ft. over rough NE. slope, through scattering timber and undergrowth. sec. 32. 00.08 Vertical ledge, 30 ft. high, bears NW. and SE. 982 000 Triangulation point on top of rugged spur, projecting N.20°W.; high peak bears S. of line about 8.00 chs. .51 chs. sec. 32 & move to bottom of ridge but dist.; precipitous descent of 750 ft. over series of ledges, 20 to 50 ft. high, bearing N.60°E. and S.60°W. along S. side of gulch, draining W. along S. side of gulch, draining W.

Subdivision of T. 18 S., R. 17 E.

Chains.	
38.40	Head of draw, course NW. Leave ledges; Ascend.
39.93	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to solid rock, and in a mound of stone for $\frac{1}{4}$ sec.cor., with brass cap mkd.
	S 39 $\frac{1}{4}$ S 33 1930
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
44.10	Rugged spur, 70 ft. above $\frac{1}{4}$ sec.cor., projects NW. about 20.00 chs.; descend abruptly 315 ft.
54.00	Ravine, course NW. Ascend 45 ft.
73.60	Spur, projects N. about 3.00 chs. dist.; Descend 65 ft.
79.86	The cor. of secs. 29, 30, 31, and 56. Land, steep and rough mountains with sandstone boulders and series of ledges. Soil, very shallow and rocky red sand, but mostly rock exposed. Timber, scattering scrub cedar and pinon pine E. 10.00 chs. Undergrowth, scattering shadscale and yellow top. General drainage NW. with a northern exposure. Scattering growth of bunch grass.
7.97	West on a random line bet. secs. 30 and 31. To left bank of Green River. Set temp. meander cor. The river having a westerly course, I return to the 4.10 chs. point on top of the E. wall of Green River Canyon, and offset as follows: South 4.00 chs.; then on offset line West 31.20 chs. or 35.30 chs. from sec.cor.; then North 4.00 chs. to the top of W. wall of Green River Canyon; thence East on random line 3.52 chs. to
31.78.	Left bank of Green River; set temp. meander cor. From the 35.30 chs. point I continue west on random line,

Subdivision of T. 18 S., R. 17 E.

- Chains 40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 78.71 Intercept W. bdy. of Tp., 5 lbs. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, 3 ins. diam., extending 18 ins. above ground, firmly set between two large boulders, properly marked and witnessed. Thence N. $85^\circ 58'$ E. on true line bet. secs. 30 and 31, Ascend abrupt W. slope, 170 ft.; through scattering under-growth.
- 8.70 Top of abrupt ascent, bears N. and S.; ascend gradually,
- 3.00 Foot of vertical ledge, 60 ft. high, bears N. and S.; ascend 175 ft.
- 17.70 Spur, projects S. W. 5.00 chs.; descend 60 ft.
- 26.30 Head of draw, draining S. at base of high prominent peak. Ascend 60 ft.
- 29.00 Spur, projects S. 60° E. about 4.00 chs.; descend 105 ft.
- 38.71 At foot of spur, bearing N. 60° W. and S. 30° E. Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd.
- S 30
—
S31
1920
- and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Thence over nearly level land.
- 43.41 Point of offset.
- 46.93 Left bank of Green River, bearing NW. and SE. Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) at true point, and surrounded by a large mound of stones, for meander cor. of fractional secs. 30 and 31 with brass cap mkd.
- T18S
S30 MC
—
S31
R17E
1920
- and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. I return to my point of offset at 43.41 chs. and offset South 4.00 chs.

Subdivision of T. 18 S., R. 17 E.

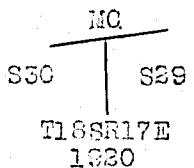
Chains	Thence N. $89^{\circ}58'$ E. 31.20 chs. on offset line;
70.74	Thence North 4.00 chs. to true line at Left bank of Green River, bears NE. and SW. Set an iron post 3 ft. long, 1 in. diam., 6 ins. in the ground, to solid rock and in a mound of stones for meander cor. of fractional secs. 30 and 31, with brass cap mkd.
	T18S MC / S30 S31 R17E 1920.
	and raise a mound of stone 3 ft. base, 1 $\frac{1}{2}$ ft. high E. of cor.
	Ascend abruptly 95 ft. over large boulders and through dense greasewood from this cor. to foot of wall, 80 ft. high bearing NE. and SW., on the E side of Green River Canyon.
74.61	Point of offset on top of wall; ascend gradually 15 ft. over rocky N. slope.
78.71	The cor. of secs. 29, 30, 31, and 32. Land, mountainous; surface rocky; outcroppings and ledges of sandstone. Soil, rocky red sand, shallow, except on portions of W. half-mile, where it is 12 to 30 ins. deep, lying on bed-rock. No timber. Undergrowth, scattering shadscale and yel- low top. Fair growth of grass.
0.70	N. $0^{\circ} 03'$ W. between secs. 29 and 30, Over rough, mountainous land; through scattering under- growth; descend rocky north slope.
2.00	Main traveled trail through Green River Canyon, bears N. 70° E. and S. 70° W. South wall of Green River Canyon, 120 ft. high, bears N. 60° E. and S. 60° W. Descend over large boulders

Subdivision of T. 18 S., R. 17 E.

Chains.

through dense greenwood.

- 7.31 Left bank of Green River, bears N. 30° E. and S. 60° W.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for meander cor. of fractional secs. 29 and 30
with brass cap marked

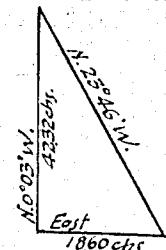


and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S.
of cor.

There being no suitable place for a base line N. of the
cor. of secs. 29, 30, 31, and 32, therefore I return to
this corner and determine the distance across the
river by triangulation.

Set a flag on line on rim-rock on the extreme E. edge
of mesa, on the N. side of Green River Canyon; then
enclose a base line East 18.60 chs. to a point, from
which the flag bears N. $23^{\circ} 46'$ W. From the flag the
East end of base bears S. $23^{\circ} 46'$ E. All bearings
checked by direct reading of the solar, and by sepa-
rate measurement of each angle by deflection they are
found respectively $90^{\circ} 03'$, $66^{\circ} 14'$,
 $23^{\circ} 46'$; their sum being equal to
 $180^{\circ} 00'$.

Dist. by triangulation = 42.32 chs.



to flag on rim-rock, 80 ft. high, bearing N. 20° E.
and S. 20° W. on the extreme E. edge of Little Buck-
horn Mesa; thence S. $0^{\circ} 03'$ E. 2.53 chs., to point
for sec.cor. 40.00 chs. N. $0^{\circ} 03'$ W. of cor. of secs.
29, 30, 31, and 32; and at 25.00 chs. or at

- 10.00 Counting distance from the cor. of secs. 29, 30, 31 and 32
Right bank of Green River, bearing NE. and SW.
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in
the ground, to solid rock, and in a mound of stones,
for meander cor. of fractional secs. 29 and 30, with

Subdivision of T. 18 S., R. 17 E.

Chains.

brass cap marked

T18S R17E
S30 | S29

MC
1920

and raise a mound of stone 3 ft. base, $1\frac{1}{2}$ ft. high N.

17.00 Vertical wall, bears NE. and SW. Precipitous ascent.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

S 30 | S 29
1920

and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high W. of cor. On rough SE. slope, 110 ft. below rim-rock.

42.32 Triangulation point.
Thence N. $0^{\circ} 03'$ W. over nearly level land, along the E. edge of Little Buckhorn Mesa.

45.60 Rim-rock, 80 ft. high, bears NW. and S. 20° E. on the N. edge of mesa; descend abruptly over NE. slope, 565 ft., over large boulders and outcroppings.

73.60 Nearly vertical wall, 90 ft. high, bears SE. and NW. 3.00 chs.; thence N. on the S. side of Green River Canyon; descend 25 ft. over large boulders from foot of wall.

75.87 Right bank of Green River, bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for meander cor. of fractional secs. 29 and 30, with brass cap marked

WC
MC
S30 | S29
T18S R17E
1920

and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high S. of cor.

80.00 True point for cor. of secs. 19, 20, 29, and 30, falls in Green River. Cor. not set.

Land, steep and rugged sides of Green River Canyon.

Subdivision of T. 18 S., R. 17 E.

Canyon.

Soil very shallow red sand on portions of mile, but mostly rock exposed in the form of large boulders, rim-rock, and broken ledges.

Timber, few scrubby cedar on Little Buckhorn Mesa, and a grove of boxelder trees on left bank of Green River.

Undergrowth, sparse growth of mountain rush and shadscale; dense greasewood, squaw bushes and willows along the bottoms of Green River.

Northern exposure S. 7.31 chs.; eastern exposure remainder of mile.

Sandstone formation.

Excellent growth of bunch grass on portions of mile.

Owing to the true point for cor. of secs. 18, 20, 28 and 30 falling in river, I obtain a point with a northing of 80.00 chs. from the cor. of secs. 29, 30, 31, and 32, by traversing from a point between Secs. 28 and 30, on top of Little Buckhorn Mesa, as there is no suitable place to offset north of the south rim of Green River Canyon; therefore I offset from the 45.65 chs. point as follows:

West 0.34 chs.; then on traverse line. (Impracticable to take rectangular offset as the mesa is narrow and rugged).

N. 47° 03' W. 37.18 chs.

N. 50° W. 16.84 chs. to a point having a northing of 80.00 chs., and a westing of 25.88 chs. from the cor. of secs. 29, 30, 31, and 32; thence, from this point set a flag N. 50° 58' E. from true point for cor. of secs. 18, 20, 28, and 30; on random line bet. secs. 20 and 28, on top of spur, on the east side of Green River Canyon; and determine the distance from the true point

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Chains.

for the cor. of secs. 19, 20, 29 and 30 to the flag on spur as follows:

13. Use the northing of 34.36 chm. bet. the 46.66 ch. point and the true point for cor. of secs. 19, 20, 29 and 30, bet. secs. 29 and 30, as a base line. From the S. end of the base the flag bears N.34°27'E., and from the flag the S. end of the base bears S.34°27'W. All bearings checked by direct reading of the solar, and the angles of the triangle are found to be respectively 90°00', 34°30' and 65°26'; their sum being equal 180°00'.

Dist. by triangulation from the true point for cor. of secs.

19, 20, 29 and 30 to flag

on spur equals 23.62 chm.; thence from flag N.69°55'E., on a random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

60.24 Intercept N. and S. line, 12 lbs. S. of the true point for cor. of secs. 20, 21, 26 and 29.

Thence,

S.69°50'W., on a true line bet. secs. 20 and 29.

barely and desc./abrupt SW. slope 510 ft. over large boulders and outcroppings.

15.20 Draw, course SW.; asc. 70 ft. over outcroppings.

21.10 Spur, projects S. about 1.00 ch. dist.; desc. abruptly 475 ft. over broken ledges to

40.12 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap mkd:

5 20

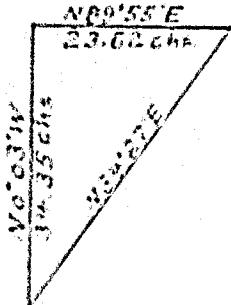
5 20

1920

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Leave outcroppings; continue abrupt descent of 110 ft.

60.10 Dry wash, 15 lbs. wide, 2 ft. deep, in the bottom of Poverty Canyon, course N.; asc. abruptly 330 ft. over



Subdivision of T. 18 S., R. 17 E.

- Chains.** .03 .04 .05 .06 .07 .08 .09 .010
56.62 Point of triangulation, on top of rugged spur, projecting NW.; desc. 355 ft. over rocky SW. slope to meander cor. sec. 20 and 29, which forms the divide between the Green River and the Colorado River; bears N. and S. left old road and to river; set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground and in a mound of stone for meander cor. of fractional secs. 20 and 29, with brass cap mkd:
- | | |
|----|------|
| | T18S |
| MC | S20 |
| | S29 |
| | R17E |
- 1920, elev. 6100 ft.
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. post on hill between river and meander cor. of secs. 20 and 29, with brass cap mkd:
80.24 The true point in river for cor. of secs. 19, 20, 29 and 30, at 20.6 mil. S. of cor. of sec. 19, on desert land; steep NE. and SW. slopes of Poverty Canyon, and SW. slope of Green River Canyon. Soil: shallow red sand, lying on clay or bed-rock on portions of mile; also clay varying in depth from a few ins. to 2 ft. on some of the slopes. Timber: few scattering scrubby cedar, E. $\frac{1}{2}$ mile. Undergrowth: sparse growth of shadscale and mountain rush. Formation: cliffs, pinnacles, pillars, broken ledges and boulders of sandstone; veins of shale and coal about 3 to 18 ins. wide on the sides of washes and canyons. Drainage NW., E. 56.60 chs.; remainder of mile drains SW. Sparse growth of grass.
 From a point $1\frac{1}{2}$ lks. S. of the point obtained by the traverse previously described at the beginning of the line bet. secs. 20 and 29, and which has a northing of

Subdivision of T. 18 S., R. 17 E.

- Chains.** 80.00 chs. and a westing of 25.93 chs. from the cor. of secs. 29, 30, 31 and 32, or a westing of 25.86 chs. from the true point for cor. of secs. 19, 20, 29 and 30, S.89°58'W., on a random line bet. secs. 19 and 30.
- 40.00 (Counting from true point for cor. of secs. 19, 20, 29 and 30) Set temp. $\frac{1}{4}$ sec. cor.
- 178.58 Intersect the W. bdy. of the Tp., 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, 3 ins. diam., extending 28 ins. above ground and surrounded by a mound of stone, firmly set, correctly marked and witnessed on the W. by a mound of stone. Thence,
- N.89°59'E., on a true line bet. secs. 19 and 30. Desc. abrupt E. slope 655 ft., over boulders and series of broken ledges, 10 to 40 ft. high, bearing N. and S.
- 20.40 Gulch, course S.20°E.; precipitous ascent of 570 ft. over a series of vertical ledges, 15 to 50 ft. high, bearing N.20°W. and S.20°E. to $\frac{1}{4}$ sec. cor.
- 37.30 Leave ledges, bears N.20°W. and S.20°E.; continue abrupt ascent to
- 138.58 On a W. slope, set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
- S 19
—
 $\frac{1}{4}$ —
S 30
1920
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 39.00 W. edge of Little Buckhorn Mesa, 5 ft. above $\frac{1}{2}$ sec. cor., bears N.30°W. and S.30°E.; asc. 25 ft.
- 40.20 Top of Little Buckhorn Mesa, bears N.30°W. and S.30°E.; desc. 145 ft. across the head of draw, draining S.70°E., and through scattering timber.
- 152.72 Point of offset.
- 56.70 Rim-rock, 100 ft. high, bears N. and S., on the E. edge

Subdivision of T. 18 S., R. 17 E.

Chains.	of Little Buckhorn Mesa; desc. more abruptly 470 ft. over rough E. slope. Leave scattering timber.
63.30	Draw; course SE.; asc. 100 ft.
69.00	Spur, projects S.60°E. about 2.00 chs. dist.; desc. 200 ft. to spur end.
76.00	Top of vertical wall, 60 ft. high, bears N. and S. on the W. side of Green River Canyon; desc. 5 ft. from foot of wall to top.
76.58	The right bank of Green River, bears N.30°W. and S.30°E. Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and in a mound of stone for meander cor. of fractional secs. 19 and 30, with brass cap mkd:
	T18S S19 S30 MC R17E 1920
78.58	The true point (in river) for cor. of secs. 19, 20, 29 and 30. Land; steep and rough mountains of sandstone ledges, boulders and rim-rock. Soil; red sand, very shallow on greater portion of mile, but about 12 to 18 ins. in depth, lying on clay or bedrock, on some of the slopes and on Buckhorn Mesa. Timber; scattering scrubby cedar on Little Buckhorn Mesa. Undergrowth; sparse growth of shadscale and mountain rush. General drainage S., W. 40.20 chs.; remainder of mile drains E. Excellent growth of bunch grass on Little Buckhorn Mesa.
	N.0°03'W., bet. secs. 19 and 20. N. from the true point for cor. of secs. 19, 20, 29 and 30, the line falls in Green River for a distance of about 40.00 chs.; and there being no suitable place on the side or in the bottom of Green River Canyon to off-

Subdivision of T. 18 S., R. 17 E.

Chains.	set or make a triangulation, I return to the 45.65 ch. point bet. secs. 29 and 30, on top of Little Buckhorn Mesa, and determine the distance as follows:
45.65	Set a flag on line near the left bank of river; then measure a base line N. $47^{\circ}03'W$. 27.18 chs. to a point from which the flag bears N. $19^{\circ}08'E$. From the flag the W. end of the base bears S. $19^{\circ}08'W$. All bearings checked by direct reading of the solar, and by separate reading from the solid and liquid deflection sights. By measurement of each angle by deflection they are found respectively, $47^{\circ}00'$, $113^{\circ}49'$ and $19^{\circ}11'$; their sum being equal to $180^{\circ}00'$.
45.65	Dist. by triangulation = 75.67 chs.
45.65	Dist. from true point 1. 20 ft. to E. end of base line, to end of base line, to 75.67 chs. = 34.35 chs.
45.65	Dist. on true line 41.32 chs.
45.65	Thence, S. $0^{\circ}03'E$. 2.86 chs., and at N. $22^{\circ}19'08'E$. 1.46 chs. On top of broken and sloping wall, 35 ft. high, bearing N. $20^{\circ}W$. and S. $20^{\circ}E$. on left bank of Green River, set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and in a mound of stone for witness cor. to meander cor. of fractional sec. 19 and 20, with brass cap mkd: T18S R17E
45.65	True point for meander cor. falls 40 lks. S. of witness cor., on the abrupt face of broken and sloping wall, making it impossible to set cor. at high water mark. Thence, N. $0^{\circ}03'W$. 1.54 chs. from witness cor. to meander cor. over rough SW. slope 1.5 ft. to top of bank.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in ground to solid rock and in a mound of stone for sec. cor., with brass cap mkd: T18S R17E

Subdivision of T. 18 S., R. 17 E.

Chains.	
40.00	End of trail to right, 1 sec. cor. set in side of dry wash, 100 ft. wide, 25 ft. deep, N. 20° W., and as a mound, 100 ft. wide, 25 ft. high, bears N. 20° W. and S. 20° E. Set flag on top of cor. and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
40.50	Continue N. 0° 03' W. from ¼ sec. cor.
41.20	Main traveled trail in the bottom of Green River Canyon, 100 ft. wide, 25 ft. high, bears N. 20° W. and S. 20° E.; ascent becomes more abrupt, bearing NW. and SE.
50.52	Set flag for triangulation, hereinafter described.
67.20	Spur, projects NW. about 15.00 chs. dist., .415 ft. above ground level, 100 ft. high, bearing E. and S., bears E. off line 60 lks. dist., precipitous descent of 470 ft.
76.20	Main traveled trail in Coal Creek Canyon, bears E. and S. 20° 26', flat valley base red soil to top of hill 100 ft. W.
76.50	Vertical wall, 50 ft. high, bears E. and W., on the S. side of Coal Creek Canyon.
78.80	Creek of clear alkali water, 2 lks. wide, 3 ins. deep, 100 ft. long, 100 ft. from bottom of creek bed to top of bank in wash, 30 lks. wide, 1 ft. deep, in the bottom of Coal Creek Canyon, course W. 1.00 ch. dist., thence N.; asc. gradually 5 ft. to
80.00	In canyon bottom, set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 17, 18, 19 and 20, with brass cap mkd:
	1920 S18 S17 1920 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. in mort. into S. 1. W. 20° 01' corner Land; steep and rugged, SW. slope of Green River Canyon and N. slope of Coal Creek Canyon. mort. no. 105. D. O. A. Soil; red sandy, shallow, except in the bottom of Coal Creek Canyon, where it is several ft. deep. Undergrowth; scattering shadscale and mountain rush.

Subdivision of T. 18 S., R. 17 E.

Chains.	
	General drainage S., S. 67.20 chs.; N. 12.80 chs: drains valley east of Coal Creek. No timber. Scattering growth of bunch grass.
	Sandstone exposed in the form of boulders, broken ledges and rim-rock.
	Intersection N. and S. line, 23 lks. N. of the cor. of secs. 16, 17, 20 and 21. Thence,
40.00	West, on a true line bet. secs. 17 and 20. Set temp. $\frac{1}{4}$ sec. cor.
80.26	Desc. rough W. slope of Boulder Mesa, from sloping ledge 60 ft. high, bearing N.20°W. and S., through scatter- ing timber and undergrowth.
0.30	Foot of the ledge, 10 ft. below sec. cor., bears N.20°W. and S.
1.80	Top of sloping ledge, 60 ft. high, bears N.20°W. and S.
5.30	Foot of the ledge, bears NW. and SE.
10.80	Rim-rock, 30 ft. high, bears N. and S., on the W. edge of Boulder Mesa, 100 ft. below base of ledge at sec. cor.; desc. more abruptly 660 ft. over rough W. slope of Coal Creek Canyon to
40.13	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 17 S 20 1920
	As there are no trees within limits suitable to mark, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. and set a small round iron cap on top.
41.60	Top of broken ledge, 120 ft. high, bears NE. and SW.; desc. over series of broken ledges, 20 to 50 ft. high, bearing NE. and SW., from foot of this ledge.

Subdivision of T. 18 S., R. 17 E.

Chains:	
57.00	Dry wash, 60 lks. wide, 3 ft. deep, in the bottom of Coal Creek Canyon, 525 ft. below $\frac{1}{2}$ sec. cor., course N.; asc. abruptly 110 ft.
60.10	Vertical ledge, 70 ft. high, bears NE. and SW.
66.50	Spur, projects N. about 8.00 chs. dist.; desc.
70.80	Main traveled trail in Coal Creek Canyon, bears N. and S.
72.40	Vertical wall, 10 ft. high, bears N. and S., on the E. side of Coal Creek Canyon.
72.70	Creek of clear alkali water, 3 lks. wide, 2 ins. deep, in the bottom of Coal Creek Canyon, 225 ft. below spur, course SW.; asc.
74.40	Vertical wall, 15 ft. high, bears NE. and SW., on the W. side of Coal Creek Canyon.
78.10	Spur, 30 ft. above Coal Creek, projects S. about 2.00 chs. dist.; desc. 35 ft. to sec. cor.
79.30	Vertical wall, 25 ft. high, bears N. 20°W. and S. 20°E., on the E. side of Coal Creek Canyon.
80.26	The cor. of secs. 17, 18, 19 and 20. Land; steep E. and W. slopes of Coal Creek Canyon with vertical walls, ledges, large boulders and rim-rock. Soil; red sand, shallow on slopes, but deeper in the bottom of Coal Creek Canyon.
	Timber; scattering scrubby cedar and pinon pine, E. $\frac{1}{2}$ mile.
	Undergrowth; scattering shadscale, yellow top and mountain rush.
	General drainage NW. Sandstone formation.
	Excellent growth of bunch grass.
	S. 89°59'W., on a random line bet. secs. 18 and 19.
10.00	To left bank of Green River; set temp. meander cor. To determine the distance across, I set a flag on line at the top of abrupt ascent, on the W. side of Green River Canyon; then use the N. 29.48 chs. bet. secs. 19 and 20, as a base line. From the 50.52 ch. point

Subdivision of T. 18 S., R. 17 E.

- Chains.** bet. secs. 19 and 20; the flag on random line bears N. $58^{\circ}53'W$., and from the flag the S. end of the base bears S. $58^{\circ}53'E$. All bearings checked by direct reading of the solar, and by separate measurement of each angle by deflection they are found respectively
 $90^{\circ}02'$, $58^{\circ}50'$ and $31^{\circ}08'$; $S.89^{\circ}59'W$
 48.79 chs.
their sum being equal to $180^{\circ}00'$.
- Dist. by triangulation = 48.79 chs.
- Dist. N. $89^{\circ}59'E$. by return measurement = 8.79 chs.
- Dist. on random line = 40.00 chs.
- 40:00** Set temp. $\frac{1}{4}$ sec. cor.; and continue N. $89^{\circ}59'E$. 18.37 chs. on random line to
- 21.63** The right bank of Green River; set temp. meander cor. Owing to series of high ledges on the abrupt W. side of Green River Canyon, chaining is impracticable on almost all of W. $\frac{1}{2}$ mile; therefore I determine the entire length of the line bet. secs. 18 and 19 by making the following triangulation:
Set a flag on line on the W. side of Green River Canyon; then use the N. 38.68 chs. bet. secs. 19 and 20; as a base line. From the flag the 41.32 ch. point bears S. $63^{\circ}40'E$., and from the S. end of the base the flag bears N. $63^{\circ}40'W$. All bearings checked by direct reading of the solar, and by separate measurement of each angle by deflection they are found respectively
 $90^{\circ}02'$, $26^{\circ}21'$ and $S.89^{\circ}59'W$
 78.07 chs.
 $63^{\circ}37'$; their sum being $N.63^{\circ}40'W$
equal to $180^{\circ}00'$.
- Dist. by triangulation = 78.07 chs.
- Thence S. $89^{\circ}59'W$. on random line 0.19 chs.
- Total distance = 78.26 chs. , or at
- 78.26** Intersect the W. bdy. of the Tp., 5 lks. S. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, 3 ins. diam., extending 30 ins. above ground and surrounded by a mound of stone, firmly set, correctly marked

Subdivision of T. 18 S., R. 17 E.

Chains.	and witnessed on the W. by a mound of stone.
00.6	Thence, S.89°59'E., on a true line bet. secs. 18 and 19.
20.00	Desc. abruptly 410 ft. over barren and rugged E. slope.
29.57	Approximately. Gulch, course SE. about 15.00 chs. dist., thence N.70°E.; asc. 40 ft.
38.36	Triangulation point on the top of ascent, bearing NE. and NW.; desc. 205 ft. to
51.40	On an abrupt E. slope, set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 18 — $\frac{1}{4}$ —————— S 19 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
56.63	Rim-rock, 70 ft. high, bears S.85°E. and S.85°W., on the N. side of box canyon; continue descent over E. slope.
68.26	To right bank of Green River, bears N.30°E. and S.30°W., 270 ft. below $\frac{1}{4}$ sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock and in a mound of stone for meander cor. of fractional secs. 18 and 19, with brass cap mkd:
	T18S — S18 S19 R17E 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	To left bank of Green River, bears NW. and SW., at the mouth of Coal Creek Canyon.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for meander cor. of fractional secs. 18 and 19, with brass cap mkd:
	T18S — S18 S19 R17E 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Subdivision of T. 18 S., R. 17 E.

Chains.	Over level bottom of Coal Creek Canyon, from meander cor.
71.30	Foot of nearly vertical wall, 60 ft. high, bears N.70°E. and S.70°W.; asc. gradually 20 ft. from top of wall.
75.00	Top of ascent, bears E. and W.; desc. 25 ft. to
76.60	Top of nearly vertical wall, 40 ft. high, bears N. and S., on the W. side of Coal Creek Canyon; desc. 5 ft. from foot of wall to
78.10	Creek of clear alkali water, 4 lks. wide, 2 ins. deep, in wash, 20 lks. wide, 2 ft. deep, in the bottom of Coal Creek Canyon, course N.; asc. 5 ft. to
78.26	The cor. of secs. 17, 18, 19 and 20. Of
	Land; abrupt W. side of Green River Canyon with large boulders, broken and vertical ledges, W. 56.63 chs.; line follows the S. rim or wall of Coal Creek Canyon, E. 10.00 chs.
	Soil; sand, very shallow, except in the bottom of Coal Creek Canyon, where it is several ft. deep.
80.00	Undergrowth; sparse growth of shadscale, yellow top and mountain rush; dense willows and greasewood along bottoms of Green River and Coal Creek. bog : firs
80.50	No timber, except a few scattering cottonwood along the banks of Green River. Poor grazing.
	Sandstone formation. Drainage E. and W. into Green River.
	N.0°03'W., bet. secs. 17 and 18.
	Over level bottom of canyon, through dense greasewood.
2.00	Vertical wall, 20 ft. high, bears NW. and SE., on the N. side of Coal Creek Canyon; asc. 185 ft. from top of wall.
3.50	Main traveled trail in Green River Canyon, bears E. and NW.
14.80	Spur, projects W. about 1.00 ch. dist.; desc. 105 ft.
34.60	Draw, course W.; asc. 35 ft.
36.80	Spur, projects W. about 3.00 chs. dist.; desc. 25 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$

Subdivision of T. 18 S., R. 17 E.

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. J. Mayon at S. end of town; stone
Land; line runs along the E. side of Green River Canyon
over sandstone boulders and outcroppings.
Soil; red sand, shallow on slopes, deeper in bottom of
Saleratus Canyon, lying on a brown clay or on bed-rock.
Timber; few scattering scrubby cedar. No timber
Undergrowth; medium growth of yellow top and mountain
rush; dense greasewood on S. 3.00 chs.

Drainage W. Fair growth of bunch grass. 08.41
• Secs. 8, 9, 16 and 17. N. 89° 58' W., 08.41
East, on a random line bet. secs. 8 and 17. 08.41
40.00 Set temp. $\frac{1}{4}$ sec. cor. 08.41
80.18 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
8, 9, 16 and 17. 08.41
Thence, take 08.41 N. 89° 58' W., 08.41
N. 89° 58' W., on a true line bet. secs. 8 and 17. 08.41
Desc. 355 ft. along N. slope, over a series of broken
ledges, 10 to 30 ft. high, bearing NE. and SW., and
through scattering timber and undergrowth.

Subdivision of T. 18 S., R. 17 E.

Chains.	
21.20	vertical wall, 130 ft. high, bears NE. and S., on the E. side of Saleratus Canyon.
24.20	Bottom of Saleratus Canyon, course S.; asc. abruptly from NE.
	13635 ft. over outcroppings to $\frac{1}{4}$ sec. cor.
27.40	Vertical wall, 130 ft. high, bears NE. and S., on the W. side of Saleratus Canyon.
39.50	Vertical ledge, 30 ft. high, bears NE. and S.
40.09	On an E. slope, set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	$\frac{1}{4}$ S 8 S 17 1920
	from which,
	A cedar, 4 ins. diam., bears N. $43^{\circ}45' E.$, 134 lks. dist., mkd. $\frac{1}{4}$ S 8 B.T.
	A cedar, 6 ins. diam., bears S. $55^{\circ}45' W.$, 25 lks. dist., mkd. $\frac{1}{4}$ S 17 B.T.
	Continue abrupt ascent of 135 ft. over outcroppings to
43.20	Spur, projects S. about 2.00 chs. dist., where it forks SE. and SW.; desc. abruptly 865 ft. over series of broken ledges, 10 to 30 ft. high, bearing NE. and SW.
71.60	Ravine, course SW.; asc. 50 ft.
75.60	Spur, projects SW. about 5.00 chs. dist.; desc. 30 ft. to
80.18	The cor. of secs. 7, 8, 17 and 18.
	Land; steep and rough mountains of sandstone formation. Soil; rocky and shallow red sand, lying on bed-rock on some of the slopes, while on other portions of the mile the subsoil is a dark hard clay, 1 to 2 ft. deep.
	Timber; a few scattering scrubby cedar.
	Undergrowth; scattering yellow top, shadscale and mountain rush. Scattering growth of bunch grass.
	Drainage SW. General SW. exposure.
	N. $89^{\circ}59' W.$, on a random line bet. secs. 7 and 18.
13.40	To left bank of Green River; set temp. meander cor.

Subdivision of T. 18 S., R. 17 E.

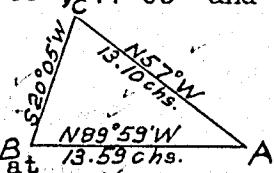
Chains.

Owing to dense tall undergrowth along the bank, I am unable to triangulate the distance across from this cor.; therefore I return to the 10.89 ch. point which I designate as point A, and set a flag B at point for meander cor. on right bank; then measure a base line N. $57^{\circ}W$. 13.10 chs. to a point from which flag B bears S. $20^{\circ}05'W$. From point B the W. end of the base bears N. $20^{\circ}05'E$. All bearings checked by direct reading of the solar, and by separate measurement of each angle by three repetitions with error of $30''$ balanced to 180° , they are found respectively $32^{\circ}59'$, $77^{\circ}05'$ and $69^{\circ}56'$.

Distance across river = 13.59 chs.

Distance on random line = 10.89 chs.

Total distance = 24.48 chs., or at



- 24.48 To right bank of Green River; set temp. meander cor.
- .40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 77.93 Intersect the W. bdy. of the Tp., 14 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, 3 ins. diam., extending 30 ins. above ground and surrounded by a mound of stone, firmly set, correctly marked and witnessed by four bearing trees, one in each sec.
- Thence, N. $89^{\circ}55'E$., on a true line bet. secs. 7 and 18.
- Asc. abrupt rough W. slope 270 ft., through scattering timber and undergrowth.
- 9.60 Rugged spur, projects N. about 2.00 chs. dist.; precipitous descent of 420 ft.
- 22.40 Ravine, course N. $10^{\circ}E$; asc. abruptly 130 ft. to
- 37.93 On the top of ascent, bearing SE. and SW., set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

S 7
S 18
1920

Subdivision of T. 18 S., R. 17 E.

Chains.

- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor. All trees within limits too scrubby to mark.
- 46.40 Head of ravine, 50 ft. below $\frac{1}{4}$ sec. cor., course N.;
asc. 80 ft. to ridge top in broken ledge.
- 48.50 Spur, projects N. about 2.00 chs. dist.; desc. 25 ft. to
- 53.45 On top of broken wall, 20 ft. high, bearing N.60°W. and
S.60°E., on the right bank of Green River; set an iron
post, 3 ft. long, 1 in. diam., 16 ins. in the ground
to solid rock and in a mound of stone for meander cor.
of fractional secs. 7 and 18, with brass cap mkd:

T18S
S7 MC
S18
R17E
1920

- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Thence, over nearly level canyon bottom, through dense
greasewood, bearing N.20°W. and S.20°E.
To left bank of Green River, bears N.20°W. and S.20°E.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground for meander cor. of fractional secs. 7 and
18, with brass cap mkd:

T18S
S7 MC
S18
R17E
1920

- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
E. of cor.
Thence, over nearly level canyon bottom, through dense
greasewood, bearing N.20°W. and S.20°E.

- 67.04 Point of triangulation.
68.00 Trail from McPherson's Ranch bears NW. and SE.
68.50 Leave bottom of canyon; asc. W. slope 55 ft.
69.00 Leave dense greasewood, bears NW. and SE.
70.20 Spur, projects S. about 1.00 ch. dist.; desc. 15 ft.
72.90 Mouth of ravine, course S.; asc. 90 ft. to
77.93 The cor. of secs. 7, 8, 17 and 18.

Canyon over large sandstone boulders and broken ledges.
Soil; rocky red sand about 18 ins. deep, lying on dark

clay subsoil or on bed-rock, on slopes; sandy loam
several ft. deep along the bottoms of Green River.

Subdivision of T. 18 S., R. 17 E.

Chains.	Small veins of coal exposed on the slopes on the W. side of Green River Canyon, about 115 ft. to
	Timber; a few scattering scrubby cedar; boxelder trees scattered along banks of Green River.
1.50	Undergrowth; scattering shadscale, yellow top and mountain rush; dense willows, squaw bushes and greasewood along river bottoms.
2.00	Fair growth of bunch grass on slopes.
2.50	N.0°03'W., bet. secs. 7 and 8.
	Asc. SE. slope 45 ft., through scattering undergrowth.
2.80	Spur, projects SW. about 5.00 chs. dist.; desc. 25 ft.
7.90	Ravine, course SW.; asc. 560 ft.
17.80	Vertical ledge, 40 ft. high, bears E. and W.; enter scattering timber.
23.80	Vertical ledge, 20 ft. high, bears E. and W.
25.40	Spur, projects SW. about 5.00 chs. dist.; desc. 15 ft.
28.10	Head of ravine, course W.; asc. 225 ft. to $\frac{1}{2}$ sec. cor.
39.80	Vertical ledge, 30 ft. high, bears NW. and S.20°E.
40.00	On a rugged SW. slope, set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	1920 $\frac{1}{4}$
41.00	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 5, 6, 7 and 8, with brass cap mkd.

Subdivision of T. 18 S., R. 17 E.

Chains.			
	Set. at 0°. 1920 ft. elev. . T18S | R17E	1920 ft.	
	S6 | S5		
	S7 | S8	1920 ft.	
	1920		
	from which, a cedar 4 ins. diam., bears N. 77° 30' E., 144 lks.		
	dist., mkd. T 18 S R 17 E S 5 B T.		
	A cedar, 6 ins. diam., bears S. 13° E., 47 lks.		
	dist., mkd. T 18 S R 17 E S 8 B T.		
	A pinon pine, 10 ins. diam., bears S. 41° 15' W., 62 lks.		
	dist., mkd. T 18 S R 17 E S 7 B T.		
	A cedar, 6 ins. diam., bears N. 59° 45' W., 39 lks.		
	dist., mkd. T 18 S R 17 E S 6 B T.		
	Land; steep and rugged. SW. slope of Green River Canyon		
	with large sandstone boulders and ledges, S. 51.10 chs.; rolling bench, N. 28.90 chs.		
	Soil; shallow red sand on entire mile, except in places		
	on SW. slope where there is a shallow clay exposed.		
	Timber; cedar and pinon pine.		
	Undergrowth; scattering to medium growth of yellow		
	leaf; on top and mountain rush.		
	Drainage SW., S. 51.10 chs.; N. 28.90 chs. drains NE.		
	Fair growth of bunch grass.		
	OS. 89° 58' E., on a random line bet. secs. 5 and 8.		
40.00	Set temp. $\frac{1}{4}$ sec. cor.		
79.90	Intersect N. and S. line, 14 lks. N. of the cor. of secs.		
	4, 5, 8 and 9. Then go back to S. line, 14 lks. N. of cor.		
	Thence, N. 51.10 chs. to a vertical ledge, 30 ft. high, bears N. 89° 52' W., on a true line bet. secs. 5 and 8.		
	Asc. along S. slope 75 ft., through a medium growth of		
	timber and scattering undergrowth.		
5.60	Vertical ledge, 30 ft. high, bears N. and S. 80° W.		
6.10	Spur, projects S. about 1.00 ch. dist.; desc. 30 ft.		
21.30	Draw, course S.; asc. 125 ft. and right, 14 lks.		
28.30	Top of broken and sloping white sandstone ledge, 20 ft.		
	high, bears NE. and SW.		

Subdivision of T. 18 S., R. 17 E.

Chains.

- 34.70 Top of knoll, bears NE. and SW.; desc. 20 ft. to
39.95 On a NW. slope, set an iron post, 3 ft. long, 1 in.
diam., 6 ins. in the ground to solid rock and in a
mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
from which,
A pinon pine, 6 ins. diam., bears N. $19^{\circ}E.$, 41 lks.
dist., mkd. $\frac{1}{4}$ S 5 B T.
A pinon pine, 5 ins. diam., bears S. $65^{\circ}30'W.$, 19 lks.
dist., mkd. $\frac{1}{4}$ S 8 B T.
Thence, over bench from this cor.
Draw, 20 ft. below $\frac{1}{4}$ sec. cor., course N.; asc. 10 ft.
45.10 Spur, projects N. about 10.00 bchs. dist.; desc. gradual-
ly 15 ft.
51.40 Leave timber, bears N. and S.
71.40 Enter a medium growth of timber, bears N. and S.
76.40 Draw, course N.; asc. gradually 5 ft. to
79.90 The cor. of secs. 5, 6, 7 and 8.
Land; mountainous with knolls and mesas, E. $\frac{1}{2}$ mile; roll-
ing bench, W. $\frac{1}{2}$ mile.
Soil; shallow red sand, lying on bed-rock.
Timber; cedar and pinon pine.
Undergrowth; scattering to a medium growth of yellow top,
shadscale and mountain rush.
Formation; white sandstone exposed in the form of out-
croppings, broken ledges and rim-rock.
General drainage SE., E. $\frac{1}{2}$ mile; W. $\frac{1}{2}$ mile drains N.
Excellent grazing, W. $\frac{1}{2}$ mile.
S. $89^{\circ}55'W.$, on a random line bet. secs. 6 and 7.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
66.76 To left bank of Green River; set temp. meander cor.
At this time the river is at its low water mark, and
it being narrow where the line crosses, chaining
is practicable.

Subdivision of T. 18 S., R. 17 E.

- Chains. 78.05 The right bank of Green River, bears N.30°E.. and S.30°W.. Intersect the W. bdy. of the Tp., 14 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, 3 ins. diam., firmly set at the high water mark, and extending 12 ins. above ground and surrounded by a mound of stone, and correctly marked and witnessed on the W. by a mound of stone.
- Thence, S.89°59'E., on a true line bet. secs. 6 and 7.
- 11.29 The left bank of Green River, bears N.60°E. and S.60°W.. Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a mound of stone for meander cor. of fractional secs. 6 and 7, with brass cap mkd:
- T18S
S6 . M.C. B.T. 1920
S7
- from which, S.89°15'W., 68 lks.
- A cottonwood, 10 ins. diam., bears N.930'E., 63 lks. dist., mkd. T 18 S, R 17 E, S 6 M C B T 1920
- A cottonwood, 12 ins. diam., bears S.89°15'W., 68 lks. dist., mkd. T 18 S, R 17 E, S 7 M C B T 1920
- From this meander cor. asc. gradually 5 ft. across bottom of canyon, through dense greasewood, bearing N.60°E. and S.60°W..
- 12.20 Main traveled trail in bottom of Green River Canyon, bears NE. and SW., through scattered scrub.
- 13.30 Leave greasewood, bears NW. and SE., at the foot of bluff, bearing NE. and SE., 50 ft. high.; asc. gradually from top of bluff to .
- 14.50 Spur, projects N.80°W. about 1.00 ch.. dist., 105 ft. above meander cor.; desc. 40 ft. through scattering undergrowth.
- 31.00 Vertical ledge, 15 ft. high, bears NW. and SE., at the head of ravine, draining S.80°W.; precipitous ascent of 600. ft. to .
- 38.05 On a rugged W. slope, set an iron post, 3 ft. long, 1

Subdivision of T. 18 S., R. 17 E.

Chains.

- 1 min. diam., 20 ins. in the ground to solid rock and in
a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
W. 47.70, S. 30.30, N. 0°12' E. 00.18, S. 00.18
- 1920
- On surface of red bedrock, thin brown soil
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
- Continue abrupt ascent of 430 ft. over a series of vertical ledges, 15 to 40 ft. high, bearing NW. and SE.
Vertical ledge, 120 ft. high, bears N. and S.
Rim-rock, 15 ft. high, bears N. and S., on the E. side of
Green River Canyon; thence over rolling bench, through
draw, 10 ft. below rim-rock, course N.; asc. gradually
15 ft. to sec. cor.
Dry wash, 40 lks. wide, 6 ft. deep, course NE.
Dry wash, 20 lks. wide, 4 ft. deep, course N.
The cor. of secs. 5, 6, 7 and 8.
Land; abrupt and rugged W. slope of Green River Canyon,
36.41 chs.; rolling bench, E. 30.30 chs. salt.
Soil; shallow red sand on E. side of Green River Canyon
and on bench; red sandy soil several ft. deep in the
bottom of canyon.
Timber; cedar and pinon pine; scattering growth of large
cottonwood trees along the banks of Green River.
Undergrowth; scattering yellow top and mountain rush;
dense greasewood, willows, and squaw bushes along bot-
toms of Green River.
Formation; sandstone boulders and ledges.
Drainage generally S., W. 47.70 chs.; E. 30.30 chs.
drains N.. Very little grass..
N. 0°12' E., on a random line bet. secs. 5 and 6. 00.18
Set temp. $\frac{1}{4}$ sec. cor. min. 60° max. 80°
Intersect the N. bdy. of the Tp., 2 lks. W. of the cor.
of secs. 5, 6, 31 and 32, hereinbefore described. 00.18

Subdivision of T. 18 S. R. 17 E.

Chains

Thence S. $0^{\circ} 13'$ W. on a true line bet. secs. 5 and 6,
over rough, mountainous land; through scattering timber
and undergrowth; ascend 15 feet.

2.60. Spur, projects NW. about 3.00 chs.; descend 20 ft.

8.30. Draw, course NW.; ascend abruptly 540 ft.; over outcrops
of boulders.

23.20. Top of sloping and broken ledge, 30 ft. high, bears N.
 60° E. and S. 60° W. on the top of spur, projecting
W. approximately 12.00 chs.; thence NW. Descend 385
ft. over broken ledges.

36.80. Vertical ledge, 15 ft. high, bears E. and W.

38.20. Ravine, course W.; ascend 35 ft. to

40.32. Set an iron post, 3 ft long, 1 in. diam., 10 ins. in the
ground to solid rock and in a mound of stone for
sec.cor., with brass cap mkd.

S 6 | S 5
· 1920 ·

from which

A cedar 5 ins. diam., bears S. $73^{\circ} 30'$ E. 58 lks.

10 lks. dist., marked $\frac{1}{2}$ S 5 B T

A cedar limb, 4 ins. diam., bears S. 39° W. 21

lks. dist., marked $\frac{1}{2}$ S 6 B T

Continue abrupt ascent of 645 ft. over rough N. slope.

52.70. Vertical ledge, 60 ft. high, bears E. and W.

68.10. Rim-rock, 15 ft. high, bears NE. and W. on the N. edge
of bench; enter medium growth of timber, bearing NE.
and W.; ascend gradually 50 ft. over N. slope of bench.

80.32. The cor. of secs. 5, 6, 7, and 8.
Land, rough NW. slope of Green River Canyon N. 68.12
chs.; gentle N. slope of bench S. 12.30 chs.

Soil, shallow, red sand and mostly bed-rock exposed on
bench.

Timber, cedar and pinon pine.

Undergrowth, yellow top, shade scale and mountain rush,
scattering on NW. slope, and dense on bench.

Meanders of T. 18 S., R. 17 E.

Sandstone formation. Drainage NW. Fair grazing.

Meanders of the Left Bank of Green River, up Stream.

From the meander cor. of fractional secs. 6 and 31, on the S. bdy. of the Tp. heretofore described.

Thence with meanders in Sec. 31,

Over level bottom land; along sandy shore; through dense undergrowth.

N. 32° W. 5.04 chs.

N. $25^{\circ} 45' W$. 17.00 chs. At 15.20 chs. leave bottom land and undergrowth, bears SE.; asc. 40 ft. to top of nearly vertical wall, 30 ft. high; water beats against wall; thence along rough top.

N. $16^{\circ} 15'$ W. 10.50 chs. At 4.30 chs. descend 25 ft. to foot of wall; thence over bottom land; along sandy shore.

Layers of shale and veins of coal 1 to 3 ft. in width exposed on the sides of canyon on this course.

N. $13^{\circ} 15'$ W. 10.50 chs. At the beginning of course, enter scattering timber, bears SE. South end of rapids in river bears west of this station.

N. $11^{\circ} 15'$ W. 12.20 chs. At 8.30 chs. the main traveled trail in bottom of canyon, bears N. 10° E. and S. 10° W. Leave sandy shore; thence over rocky sloping bank.

N. $1^{\circ} 30'$ E. 3.40 chs.

N. $20^{\circ} 30' W$. 2.90 chs.

N. $34^{\circ} 30' E$. 4.10 chs.

At 1.20 chs. enter dense undergrowth, bears NE. At 1.80 chs. leave undergrowth, bears NE.

N. $51^{\circ} 15' W$. 4.10 chs. At 2.60 chs. creek of muddy alkali

Meanders of T. 18 S., R. 17 E.

water, 6 lks. wide, 4 ins. deep,
in wash, 140 lks. wide, 2 ft.
deep, at the mouth of Rattle-
snake Canyon, course SW.

Leave scattering timber and bottom
land at the end of course, and
asc. to top of vertical wall, 15
ft. high, bearing NE. and
N. 20°W., on the N. side of Rat-
tlesnake Canyon.

N. 19° W. and 12.80 chs. Nearly vertical bank, 20 ft. high; thence over large boulders and outcroppings, through scattering short undergrowth. N. end of rapids in river, bears W. of this station. To the meander cor. of fract- ional secs. 31 and 36, on the W. bdy. of the Tp., which is an iron post, 3 ins. diam., extending 2 ft. above ground and surrounded by a mound of stone, firmly set, correctly marked and witnessed on the N. by a mound of stone.

Soil; deep sandy loam in bottoms, and rocky and shallow sand on banks.

Undergrowth; dense willows and squaw bushes along water edge; dense short shadscale and yellow top on rocky

Sandstone formation. Fair growth of salt grass and bunch grass.

From the meander cor. of fractional secs. 25 and 30, on
the W. bdy. of Tp., which is an iron post, 3 ins.
diam., extending 16 ins. above ground and surrounded
by a mound of stone, firmly set, correctly marked and
witnessed on the S. by a mound of stone.

Along sloping bank, over large boulders and through

Meanders of T. 18 S., R. 17 E.

dense undergrowth.

N. $31^{\circ}15' E.$ 5.00 chs. At beginning of course main traveled trail bears NE. and SW.
 N. $38^{\circ}45' E.$ 4.30 " veled trail bears NE. and SW.
 N. $55^{\circ}45' E.$ 5.60 " At the end of course,
 N. $59^{\circ} E.$ 4.80 " /W. end of rapid/in river bears N.
 N. $67^{\circ}30' E.$ 2.50 " /W. end of rapid/in river bears N.

of this station.

N. $79^{\circ}30' E.$ 1.30 chs.
 S. $79^{\circ} E.$ 1.89 "
 S. $74^{\circ} E.$ 5.60 " Owing to the bank being very
 steep and rough, this course
 passes 20 to 40 lks. S. of
 high water mark.

At the end of course,
 S. $73^{\circ}30' E.$ 4.50 chs./head of rapids bears N. of this
 station; few scattering boxeld-
 er trees along edge of water on
 this course.

S. $63^{\circ}45' E.$ 1.90 chs. no, 34 lks. in .seen jumping
 S. $35^{\circ}45' E.$ 2.10 " At the beginning of course, enter
 dense tall undergrowth, bears
 NE. and SW. Undergrowth becomes more scatter-
 S. $21^{\circ}30' E.$ 16.00 chs. ing along this course.
 S. $49^{\circ}48' E.$ 11.76 " To meander cor. of fractional
 secs. 30 and 31. here crossed sec. line; bank
 Land; abrupt and sloping banks of large sandstone bould-
 ers and outcroppings.

Soil; very shallow, rocky, red sand.

Timber; a few scattering boxelder trees along edge of
 water.

Undergrowth; dense tall willows and squaw bushes along
 edge of water; dense short shadscale, mountain rush
 and greasewood off from high water line.

Scattering growth of bunch grass.

Thence in sec. 31.

Along abrupt sloping bank, over large boulders, and
 through medium undergrowth.

S. $49^{\circ}45' E.$ 1.10 chs. Few boxelder trees along edge of
 S. $74^{\circ}30' E.$ 11.30 " water on this course.

Meanders of T. 18 S., R. 17 E.

N. $72^{\circ}55' E.$ 12.62 chs. At 1.00 ch., enter dense tall undergrowth, bears NW. and SE. At 11.90 chs., enter a small grove of boxelder trees, bears NW. and SE. To the meander cor. of secs. 30 and 31.

Land; abrupt and sloping banks of large sandstone boulders, slide-rock and outcroppings.

Soil; dark loam, 1 to 3 ft. deep, where rock is not exposed.

Timber; boxelder.

Undergrowth; willows, squaw bushes, rosebushes and greasewood; shadscale and mountain rush off high water line.

Scattering growth of bunch grass.

Thence in sec. 30.

Over level bottom land, through dense 'tall' undergrowth and grove of timber.

N. $47^{\circ}30' E.$ 10.83 chs. Bank, 8 ft. high. At 1.50 chs., leave grove of timber, bears N. $60^{\circ} W.$ and S. $60^{\circ} E.$ To meander cor. of fractional secs. 29 and 30.

Land; level bottom land.

Soil; dark sandy loam, several ft. deep.

Timber; boxelder.

Undergrowth; dense growth of willows; squaw bushes and greasewood.

Excellent growth of salt grass and bunch grass.

Thence in sec. 29.

Over level bottom land, through dense undergrowth.

N. $47^{\circ}45' E.$ 30.06 chs. Vertical sandy bank, 6 to 10 ft. high. At 27.00 chs. S. end of rapids bears W.

Bank, 4 to 6 ft. high.

N. $17^{\circ} E.$ 7.30 chs./ At 6.90 chs., leave level bottom

land; thence over sloping bank of large boulders and slide-rock.

N. $7^{\circ}15' W.$ 14.00 chs. At the beginning of course, head

Meanders of T. 18 S., R. 17 E.

FR 08.08.11 14 chs. At 13.00 chs., leave dense
line. At 13.20 chs., leave dense
undergrowth, bears N.10°W. and
S.10°E.; at 14.00 chs., leave
rough sloping bank, and asc. to
top of vertical, 70 ft. high,
bearing N.15°W. and S.15°E.,
N.14°30'W. 9.90 chs. Along top of nearly vertical wall,
40 to 70 ft. high, over large
boulders and outcroppings, and
through scattering short under-
growth to meander cor. Water
beats against wall.

N.34°30'W. 23.50 chs. 108 .sec at corner
N.11°30'W. 2.52 " To the meander cor. of fractional
secs. 20 and 29.

Land; level bottom land; rough sloping banks and vertical
wall, 40 to 70 ft. high.
Soil; dark sandy loam, several ft. deep in the bottom
land; rocky and shallow red sand on sloping banks and
on top of wall. Irrigated with water from river.
Timber; a few boxelder trees along bank of river in bot-
tom land.
Undergrowth; dense willows, squaw bushes, greasewood and
. rabbit brush in river bottoms; scattering shadscale
and yellow top along top of wall.
Excellent grazing in bottom land. Sandstone formation.

Thence in sec. 20. Along top of vertical wall, over large boulders and outcroppings, and through scattering short undergrowth.

N.23°15'W. 1.90 chs. Wall, 80 ft. high; water beats against wall.

N.6°45'W. 5.10 chs. Wall, 70 ft. high.

N.1°15'W. 17.30 chs. Wall, 50 to 60 ft. high; desc. from vertical wall, 50 ft.

Meanders of T. 18 S., R. 17 E.

			high, bearing E. and W., on the S. side of Poverty Canyon; thence across level canyon bottom. At 16.00 chs., creek of clear alkali water, 4 lks. wide, 2 ins. deep, course W. At 17.00 chs., vertical wall, 50 ft. high, bears E. and W., on the N. side of Poverty Can- yon.
		N.11°W. .17.00 chs.	Continue along top of nearly vertical wall, 40 to 50 ft. high, over large boulders and outcroppings. witness cor. to To/meander cor. of fractional secs. 19 and 20.
		N.22°45'W. .8.14 chs.	Land; meander line runs along top of nearly vertical wall, 40 to 80 ft. high; water beats against wall dur- ing high water period.
			Soil; very shallow and rocky red sand on top of wall.
			Timber; few scattered cottonwood along edge of water at foot of wall.
			Undergrowth; scattering shadscale and yellow top on top of wall; patches of dense willows and squaw bushes along edge of water at the foot of wall.
			Scattering growth of bunch grass. Sandstone formation.
			Thence in sec. 19. just
			Along top of nearly vertical wall, 40 to 60 ft. high, over large boulders and outcroppings, and through scat- tering short undergrowth.
		N.33°15'W. .10.30 chs.	Just to west of meander
		N.23°W. .4.30 "	
		N.29°W. .0.00 " 1.79 min.	At the end of course, desc.
			from top of wall, 60 ft. high, bearing S.30°E. and N.; leave short undergrowth; bears N.

VI. Meanders of T. 18 S., R. 17 E.

1.00	Site .57 unclassified, high N.38°W. 8.57 chs. travel to east .000		and S.30°E. Thence, from foot of wall over nearly level sandy
2.00	Leave .57 unclassified desert land 80.00 chs. travel narrow flat top road to SW. corner, high, and S. 45°W. Leave 80.00 chs. and S. 45°W. 2.00 chs. dist. to east .000		river bottom, through scatter- ing greasewood and cottonwood. At the end of course, the SW. cor. of Coal Creek rock house, 34X20 ft., bears N.16°30'E.
3.00	Site .57 unclassified, high .50 chs. travel west to east .000		2.30 chs. dist.; from the same station, a rock barn, 14X12 ft., bears S.87°E. 2.06 chs. dist.
4.00	N.11°15'W. 10.90 chs. At 1.20 chs., leave scattering greasewood and cottonwood, bears NW. and SE; leave bottoms, bears S.20°E. and N., and asc. abrupt and broken wall, 25 ft. high, bearing N. and S.20°E.		
5.00	N.5°E. 3.30 chs. Thence, along top of broken wall, over large boulders and out- croppings, and through scatter- ing undergrowth, bearing N. and S. side of broken wall, 25 ft. high, bearing N. and S.20°E.		
6.00	N.15°45'E. 2.80 chs. At 1.60 chs., a trench excavation, 6x8 ft. wide, 10 ft. deep, bears S. 45°E. and W. 45°E. and W. 45°E. course		
7.00	N.31°30'E. 3.50 chs. At end of ., vertical wall, 60 ft. high, bears E. and W., on S. side of Coal Creek Canyon; leave scattering short under- growth at top of wall.		
8.00	N.71°45'E. 2.87 chs. Thence, along bottom of Coal Creek Canyon from foot of wall to meander cor. of fractional secs. 18 and 19. Land; level sandy bottoms; and broken and vertical walls, 25 to 60 ft. high; water beats against walls during high-water period.		
9.00	Soil; deep sandy loam in canyon bottoms; rocky and		

Meanders of T. 18 S., R. 17 E.

in deep wash, 10 lks. wide, shallow red sand on top of walls.

Timber; cottonwood.

Undergrowth; scattering shadscale and yellow top on walls; patches of willows, squaw bushes and greasewood in level bottoms.

Scattering growth of bunch grass. Sandstone formation.

Thence in sec. 18.

Over level bottom of Coal Creek Canyon, through dense undergrowth.

N.53°W. 2.54 chs. At 0.20 chs., creek of clear alkaline water, 4 lks. wide, 3 ins. deep, course W. At 2.30 chs., leave dense undergrowth at the foot of vertical wall, 35 ft. high, bearing E. and W., on the N. side of Coal Creek Canyon.

N.16°45'W. 1.30 chs.

Thence along top of nearly vertical wall, 15 to 35 ft. high, over outcroppings, and through scattering undergrowth.

N.20°E. 7.90 chs.

At 7.70 chs., dry wash, 10 lks.

N.17°30'E. 7.40 chs.

wide, 5 ft. deep, at the mouth of ravine, course W.

N.10°E. 13.10 "

N.2°30'E. 10.00 "

At 1.30 chs., leave short undergrowth, bears N.15°E. and S.5°W., and desc. from top of

the sandstone cliff, 20 ft. high, bearing N.15°E. and S.5°W.; thence across wash, 10 lks. wide, course W. At 2.50 chs., asc. along foot of wall, through dense undergrowth. At the end of course, asc. vertical wall, 25 ft. high, bearing N.15°W. and S.15°E.; leave dense under-

Meanders of T. 18 S., R. 17 E.

			growth at the foot of wall.
	N.4°E.	4.30 chs.	Along top of wall, 25 ft. high, bears N.4°E. and S.10°W. over outcroppings, and through scattering short undergrowth.
			At the end of course, leave
			wall, 20 ft. high, bears N.10°E. and S.10°W.
	N.13°15'W.	5.00 chs.	Thence over rocky and sloping
			bank, through dense under-
			growth, bears NE. and SW.
	N.1°W.	6.70 chs.	At 4.80 chs., a seepage of alka-
			line water, in wash, 230 lks.
			wide, 6 ft. deep, at the
			mouth of Saleratus Canyon,
			course W.; thence over rocky
			and sandy bank.
	N.13°30'W.	6.40 chs.	At 3.60 chs., main traveled
			trail in the bottom of can-
			yon, bears N. and S.
	N.30°W.	5.90 chs.	At 0.90 chs., leave rocky bank;
			thence over level bottoms,
			along sandy bank; At 1.00 ch.
			dry wash, 15 lks. wide, 4 ft.
			deep, course W. At 3.20 chs.
			main traveled trail in canyon,
	N.46°15'W.	5.50 chs.	bears NW. and SE.
			To meander cor. of fractional
			secs. 7. and 18.
			Land; level bottoms, vertical walls and rocky sloping
			banks.
			Soil; sandy loam, several ft. deep in river bottoms;
			rocky and shallow red sand on walls and rocky banks.
			Timber; a few scattering cottonwood along edge of water.
			Undergrowth; dense willows, squaw bushes and greasewood
			along edge of water and in river bottoms; scattering
			shadscale and yellow top on walls and away from bottoms.

Meanders of T. 18 S., R. 17 E.

Sandstone formation. Fair growth of bunch grass.

Thence in sec. 7.

Over level bottom land, along sandy sloping bank, through dense undergrowth.

N.42°52'W. 4.01 chs.

N.65°30'W. 6.60 "

S.84°W. 1.80 "

N.46°W. 4.40 "

N.67°15'W. 9.60 "

At 3.80 chs., leave dense under-

growth and bottom land, bears N.60°W. and S.60°E., and asc. to top of wall; thence along top 5 to 40 ft. high of nearly vertical wall, over large boulders and outcroppings, and through dense short undergrowth. At 5.40 chs., dry wash, 30 lks. wide, 4' ft. deep, at the mouth of ravine, course S.

N.67°30'W. 2.30 chs.

N.56°W. 3.60 "

N.81°W. 5.70 "

N.79°45'W. 2.50 "

At 0.80 chs., mouth of ravine,

course S.

N.61°45'W. 1.00 ch.

N.71°15'W. 2.20 chs.

N.60°W. 13.90 "

N.34°15'W. 3.00 "

N.15°15'W. 2.20 "

N.21°45'W. 8.10 "

Leave vertical wall, 30 ft. high,

at the end of course; thence

over rocky, sloping bank.

At 2.50 chs.

N.18°W. 8.60 "

/dry wash, 25' lks. wide, 8 ft. deep,

at mouth of draw, course W.

N.42°15'W. 6.90 "

N.36°W. 1.80 "

At the beginning of course, leave

rocky bank; thence along slop-

ing wall, 20 ft. high.

N.2°15'W. 2.00 "

N.1°30'E. 1.50 "

Line runs along top of vertical

wall, 30 to 50 ft. high, on the

last two courses.

Meanders of T. 18 S., R. 17 E.

- N.8°E. 6.30 chs. Wall becomes more broken and rough along this course.
- N.18°30'E. 2.00 chs. At the beginning of course, leave dried gravelly wash bank broken wall, 20 ft. high, bears N.20°E. and S.20°W.; thence over rocky, sloping bank.
- N.20°15'W. 3.40 chs. At 2.60 chs., leave rocky bank; thence over Boat Bottoms, along sandy shore.
- N.28°15'E. 1.70 chs. At the beginning of course, leave dense yellow top and shadscale, bears NE. and SW., and enter a medium growth of greasewood and rabbit brush.
- N.18°15'E. 4.10 chs. At the beginning of course, enter grove of cottonwood, bears NE. and SW.
- N.37°15'E. 3.10 chs.
- N.44°E. 5.50 chs.
- N.60°30'E. 3.50 " At 3.10 chs., dry wash, 25 lks. wide, 3 ft. deep, at the mouth of ravine, course W. To the meander cor. of fractional secs. 6 and 7.
- Land; level bottom land, and broken and vertical walls, 5 to 80 ft. high; the last six courses cross Boat Bottoms. To right is
- Soil; sandy loam, several ft. deep in river bottoms; shallow and rocky red sand along top of wall and on rocky banks.
- Timber; a few scattering cottonwood and cedar along edge of water on sloping banks; grove of cottonwood in Boat Bottoms.
- Undergrowth; dense willows and squaw bushes in places along foot of walls; dense greasewood and rabbit brush

Meanders of T. 18 S., R. 17 E.

00	in Boat Bottoms; dense yellow top and shadscale on top of walls and away from river bottoms.
00	Sandstone formation. Dense growth of salt grass on bottom land; scattering bunch grass on top of walls and away from river bottoms.
00	level, gravelly to grainy sand.
00	Thence in sec. 6.
00	Over bottom land, along sloping sandy bank, through scattering undergrowth and timber.
00	N. $74^{\circ}30' E.$ 3.50 chs. At 3.40 chs., main traveled trail
00	in Green River Canyon, bears N. and S.; leave timber and undergrowth, bears N. and S.
00	At the end of course, leave Boat Bottoms.
00	N. $33^{\circ}E.$ 6.30 chs. Thence along rocky, sloping bank, at the foot of ledge, 80 ft.
00	high, bearing N. $33^{\circ}E.$ and S. $33^{\circ}W.$ Small veins of shale and coal exposed on side of canyon.
00	N. $7^{\circ}E.$ 6.50 chs. S. end of rapids bears W. of this station; leave ledge and continue along rocky, sloping bank, through dense short undergrowth. At 0.80 chs., the main traveled trail in canyon bears N. $15^{\circ}E.$ and S. $15^{\circ}W.$ At 1.70 chs., dry wash, 20 lks. wide, 5 ft. deep, at the mouth of ravine, course W.
00	N. $4^{\circ}W.$ 4.40 chs. At 0.70 chs., dry wash, 20 lks. wide, 3 ft. deep, at the mouth of ravine, course W.
00	N. $12^{\circ}W.$ 6.90 chs. At the beginning of course, head north, sand and gravel to 15 lks. wide, 3 ft. deep, of rapids bears W.
00	to south, base of hill, base sand and gravel to 15 lks. wide, 3 ft. deep, of rapids bears W.

W.L.S. Meanders of T. 18 S., R. 17 E.

	N.5°W. 4.50 chs. Bank 5 ft. high. At 3.00 chs., main traveled trail in canyon, bears N.20°W. and S.20°E.
	N.3°E. 2.30 chs.
	N.20°E. 3.90 " S. end of island in river, bears W. of this station. At the beginning of course, leave shadscale and yellow top, and enter dense greasewood, bears NE. and SW. Bank 6 ft. high.
	N.21°30'E. 8.00 chs.
	N.32°15'E. 15.05 "
	N.49°45'E. 5.20 " At 1.10 chs., enter dense willows and squaw bushes, bears NE. and SW. At 5.20 chs., main traveled trail in canyon, bears NE. and SW. Bank 8 ft. high.
	N.36°30'E. 2.70 chs.
	N.57°E. 4.40 " At 2.00 chs., Bench Mark 4239.49, which is a white spot on a sandstone boulder, 7X6X6 ft., bears E. 13 lks. dist.
	N.19°30'E. 2.50 chs. At the beginning of course, N. end of island bears W. At 0.40 chs., over level bottom land.
	N.62°30'E. 8.00 chs. At 4.30 chs., dry wash, 70 lks. wide, 4 ft. deep, at the mouth of canyon, course W.
	N.84°E. 1.60 chs.
	N.70°45'E. 9.50 "
	N.57°45'E. 5.70 "
	N.57°43'E. 10.27 "
	To the meander cor. of fractional secs. 6 and 31, on the N. bdy. of the Tp., hereinbefore described.
	Land; level bottom land, banks 5 to 8 ft. high; rocky sloping banks in the narrows of canyon.
	Soil; deep sandy loam in river bottoms; rocky and shallow red sand in the narrows of canyon.
	Timber; a few scattering cottonwood and boxelder along edge of water.
	Undergrowth; dense growth of squaw bushes, willows and greasewood in river bottoms and along edge of water;

Meanders of T. 18 S., R. 17 E.

dense shadscale, yellow top and greasewood in the narrows of the canyon and away from river bottoms.

Sandstone formation. Excellent growth of salt grass and bunch grass.

Meanders of Right Bank of Green River up Stream.

From the meander cor. of fractional secs. 6 and 31 on the S. bdy. of Tp., heretofore described,

Thence with meanders in Sec. 31,

Along narrows of canyon on rough sloping bank of large boulders and cutcroppings; through dense undergrowth.

N. 16° W. 2.80 chs.

N. 33° W. 5.80 chs.

N. 36° 15' W. 15.60 chs.

N. 15° 36' W. 10.25 chs. To the meander cor. of fractional secs. 31 and 36, on the W. bdy. of the Tp., which is an iron post, 3 ins. diam., extending 30 ins. above ground, and surrounded by a mound of stone, firmly set, correctly marked and witnessed.

Land, rough sloping bank in narrows of canyon.

Soil, very shallow and rocky red sand.

Undergrowth, dense willows, squaw bushes, rose bushes and poison ivy along edge of water; dense shadscale mountain-rush and rabbit brush away from high water line. No timber. Poor grazing.

Sandstone formation. Veins of coal exposed on side of canyon.

From the meander cor. of fractional secs. 25 and 30 on W. bdy. of Tp., which is an iron post, 3 ins. diam., extending 1 ft. above ground, firmly set and correctly marked and witnessed.

Thence with meanders in Sec. 30,

Over level bottom land; through scattering undergrowth.

Meanders of T. 18 S., R. 17 E.

- N.15° 30' E. 1.35 chs. Bank 7 ft. high.
- N.75° E. 20.50 chs. Bank 5 ft. high. At 18.00 chs. enter dense undergrowth, bears N. and S. At 18.50 chs. west end of rapids bears S. of line.
- S.62° E. 8.00 chs. At end of course head of rapids bears S. Bank 5 to 6 ft. high.
- S.76° E. 8.10 chs. Bank 6 ft. high. At 3.30 chs. dry wash 30 lks. wide, 5 ft. deep, course S. At 8.00 chs. dry wash 30 lks. wide, 6 ft. deep, course S. 20° W.
- S.45° SW'E. 5.70 chs. Bank 6 ft. high. Enter dense growth of squaw bushes at the beginning of course.
- S.16° E. 9.50 chs. Bank 5 to 6 ft. high. At the end of course undergrowth becomes more scattering.
- S.12° E. 6.40 chs. Bank 6 ft. high.
- S.45° 30'E. 6.40 chs. Bank 6 ft. high.
- S.77° 30'E. 6.00 chs. Bank 5 to 7 ft. high.
- S.55° 15'E. 10.50 chs. Bank 5 ft. high. At 4.90 chs. leave level bottom land; thence along narrows of canyon, over rocky and sloping bank.
- N.70° E. 2.84 chs. Undergrowth becomes more dense.
- S.60° 15'E. 1.90 chs.
- N.55° 30'E. 1.60 chs.
- S.60° 30'E. 4.80 chs.
- S.45° 22'E. 6.60 chs. To rear tier cor. of fractional land, level bottom land, vertical banks 4 to 8 ft. high; rocky sloping banks in narrows of canyon.
- Soil, sandy loam, several feet deep in river bottoms; rocky and shallow red sand in narrows of canyon.
- Timber, a few scattered cottonwood and cedar in level bottoms. Undergrowth, willows, squaw and rose bushes, more dense along edge of water; also scattering to dense growth of greenwood and shadscale in river bot-

Meanders of T. 18 S., R. 17 E.

	scattered	and in narrows of canyon.
sec. 29	Sandstone formation.	Fair growth of salt grass and bunch grass. 100' elevation
soft soil	to 100' elevation	100 ft. slopes.
	Thence in sec. 29.	.06 Mile SE. seen in
bear w.	Over rough sloping bank, along foot of wall, 160 ft.	
e. w.	high, bearing NE. and SW., and through dense squaw bushes and willows. no trees. 3100 ft. of 6000 ft. follow. Lateral.	
w. n. w.	N. $43^{\circ}24' E.$ 10.73 chs. At 10.10 chs., leave rocky bank, thence along sandy bank. At	
n. n. w.	beginning of course, leave end of course, leave wall.	
	N. $44^{\circ}15' E.$ 6.10 chs.	
	N. $33^{\circ}30' E.$ 8.10 chs. At the beginning of course, undergrowth becomes more scatter-	
	ing. At 5.00 chs., enter dense	
	greasewood and willows, bears	
	cedar, quirtwood, brush NW. and SW.; leave sandy bank,	
	thence over large boulders	
Imposition to .100 elevation of	" 0.1 " along foot of wall.	
	N. $16^{\circ} E.$ 5.00 chs.	
	N. $4^{\circ}15' E.$ 3.60 chs. At the beginning of course, leave	
	modded river to dried arroyo, bearing SW. along	
	foot of wall and boulders,	
	thence over low sandy bank.	
	N. $5^{\circ}30' W.$ 2.45 chs.	
	N. $24^{\circ} W.$ 11.40 " At 9.00 chs., leave dense under-	
	growth, bears E. and W., and	
	enter scattering. A few cedar	
	on this course. 1000 ft.	
valley to N. $19^{\circ}30' W.$ 5.00 chs. At 10.80 chs., leave scattering		
meadow, cedar, and 02.5 ft. cedar and enter dense willows,		
near water, willow scrub, bear NW. and SE.		
Imposition to N. $36^{\circ}30' W.$ 17.89 chs. This line runs along edge of		
brush. N. $3^{\circ}3.1$ degree, dist. .51 08' water about 20 lks. to 1.00		
above, line to next grade, passes over		
edge, arroyo, brush, scrub, bear NW. and SE. ch. dist. E. of the high water		
edge, arroyo, brush, scrub, bear NW. and SE. mark, for the high water line		
edge, arroyo, brush, scrub, bear NW. and SE. passes over an impassable		
edge, arroyo, brush, scrub, bear NW. and SE. ledge. From the beginning of		
edge, arroyo, brush, scrub, bear NW. and SE. this course, the lines follow		
edge, arroyo, brush, scrub, bear NW. and SE. along rough bank of large		

Meanders of T. 18 S., R. 17 E.

boulders, and through dense willows and squaw bushes to meander cor.

N. $25^{\circ}42'W.$ 1.40 chs. To the meander cor. of fractional secs. 29 and 30.

Land; narrow and level river bottom with low sandy and rough banks. River bottom is bordered on the W. by a vertical wall, 50 to 160 ft. high. Soil; several ft. deep on sandy banks.

Timber; a few scattering cedar.

Undergrowth; varies from a scattering to a dense growth of willows, squaw bushes and greasewood.

Sandstone formation. Very little grass.

Thence in sec. 30.

Over rough bank of large boulders and outcroppings, through dense undergrowth and scattering timber.

N. $25^{\circ}15'W.$ 2.80 chs.

N. $24^{\circ}15'W.$ 1.76 " To meander cor. of fractional secs. 19 and 30.

Land; low, rough, sloping bank of river bottom.

Soil; shallow sandy loam.

Timber; a few cedar.

Undergrowth; dense willows.

Formation; sandstone. No grass.

Thence in sec. 19.

Along rough bank of large boulders, through dense willows.

N. $1^{\circ}W.$ 18.34 chs. At 4.50 chs., leave river bottom

and dense willows, bears N. $5^{\circ}W.$ vertical and S. $20^{\circ}W.$, at the foot of wall, 80 ft. high, bears N. $5^{\circ}W.$ and S. $20^{\circ}W.$

N. $4^{\circ}30'W.$ 7.50 chs. Thence along top of wall, over

boulders and outcroppings, and through scattering shadscale and yellow top.

Meanders of T. 18 S., R. 17 E.

N.21°W. 00' 7.60 chs.

N.32°00'W. 24.50 ".

At the beginning of course, lower

end of sand bar bears NE. about

2.50 chs. dist. At 15.90 chs.,

upper end of sand bar, bears

SE. about 2.50 chs. dist.;

from this station end of rapids

bears E. .

N.27°15'W. 10.96 chs.

N.1°45'W. 5.80 "

At the end of course, leave top

of vertical wall, 70 ft. high,

bears N.2°W. and S.2°E. Desc.

from foot of wall, along sloping

bank, over large boulders

and outcroppings, and through

scattering undergrowth.

At 9.00 chs., dry wash, 140 lks.

wide, 3 ft. deep, at the mouth

of gulch, course E. Thence

along rocky level bank to the

meander cor. of fractional

secs. 18 and 19.

From this meander cor. the head

of rapids bears E.

Land; rough sloping banks in river bottoms; greater part

of meander lines follows top of nearly vertical wall,

60 to 80 ft. high; water beats against wall almost its

entire length.

Soil; rocky red sand, shallow on top of wall, deeper on

banks of river.

Undergrowth; dense willows along banks in river bottoms

and in places along foot of wall; scattering to a

dense growth of yellow top and shadscale on top of

wall. Very little grass.

No timber. Boulders and outcroppings of sandstone.

Soil; rocky red sand, shallow on top of wall, deeper on

banks of river.

Meanders of T. 18 S., R. 17 E.

Thence in sec. 18.

Along rocky sloping bank, through scattering undergrowth.

N. $40^{\circ}15' E.$ 1.44 chs.

N. $21^{\circ}30' E.$ 4.70 chs. At 2.25 chs., Utah Power and Light Company's rock powder house, 14X12 ft., bears W. of line 10 lks. dist.

N. $50^{\circ}15' E.$ 4.20 chs. At the beginning of course, leave sloping bank, thence over rocky and gently rolling river bottoms. At 2.90 chs., dry wash, 60 lks. wide, 5 ft. deep, at the mouth of ravine, course E.

N. $12^{\circ} E.$ 11.70 chs. At 11.20 chs., top of vertical wall, 30 ft. high, bears N. $15^{\circ} E.$ and S. $15^{\circ} W.$; thence along top of wall over boulders and outcroppings.

N. $10^{\circ}15' E.$ 10.08 chs. At 0.60 chs., leave wall, 30 ft. high, bears N. and S. $10^{\circ} W.$; thence over level river bottoms, through dense squaw bushes and greasewood, bearing N. and S.

N. $5^{\circ} E.$ 5.80 chs. At 3.90 chs., leave dense undergrowth and river bottom, bears N. $5^{\circ} E.$ and S. $5^{\circ} W.$, at the foot of vertical wall, 20 ft. high, bearing N. $5^{\circ} E.$ and S. $20^{\circ} W.$

N. $0^{\circ}45' W.$ 21.20 chs. At the beginning of course, leave wall, 20 ft. high, bears N. $10^{\circ} W.$ and S. $5^{\circ} W.$; thence

along rocky, sloping bank. At

S. 1/4 . N. 1/4 Meanders of T. 18 S., R. 17 E.

• 803. Unlined sand, 1.10 chs., mouth of ravine, dry, gravelly base sloping course E. At 1.40 chs., leave old wash base slopes sloping bank, at the foot of west to stream, ade 00.8 JA vertical wall, 30 ft. high, bearing N. and S.; thence along top of wall over boulders. At 1.60 chs., mouth of ravine, course E.

• N. 1°30' E. W. 87.15±90 chs. At 1.50 chs., leave top of wall, 30 ft. high, bears N. and S.; thence along rough sloping bank from foot of wall.

• N. 1°30' W. 0110.69 chs. At 1.40 chs., dry wash, 25 lks. wide, 4 ft. deep, at the mouth of canyon, course E. At 10.20 chs., foot of sloping wall, 25 ft. high, bears NW. and S. 10°W.; thence along top of wall, over large boulders and outcroppings.

N. 45°45' W. 5.80 chs.
N. 61°15' W. 7.50 " To the meander cor. of fraction-
course to gravelized end JA al sec. 7 and 18.
gravel sand; sand rippled
Land; rolling and rocky river bottoms; but the greater
part broken, broken banks
number of meander lines follow along the top of broken,
dry, gravelly banks
sloping and vertical walls, 15 to 30 ft. high. Water
8°08. Unlined, base slopes of
beats against nearly all the walls during high water.
8°08. rocky 00.0 has
Soil; red sand, shallow on top of walls, deeper on banks
and in the rolling bottoms.
base 8°08. H. rippled
Timber; a few boxelder trees along edge of water.
refined to foot end in N. 08.2
Undergrowth; dense willows and squaw bushes along the
gravelled sand 11.0A. H. low
edge of water on the bottom land and in places along
the 15.0 base 19.0
foot of walls; scattering shadscale and yellow top on
whole course to gravelized mark ade 01.5 N. 08.2
top of walls and away from the high water mark.
central ravine, H. low end to go
Sandstone formation. Scattering growth of bunch grass.
base, gravelly base, base rippled
old wash base slopes

Thence in sec. 7.
Harm

Neardors of T. 18 S., R. 17 E.

Along top of broken wall, 40 ft. high, bearing N.50°W. and S.60°E., over boulders and outcroppings, and through scattering shadscale and yellow top.

N.49°15'W. 3.90 chs. At 2.00 chs., mouth of draw, course N.E.

N.53°E.	1.10	"
N.75°15'W.	4.99	"
N.61°30'W.	2.40	"
N.65°W.	16.10	"

At the beginning of course,

leave broken wall, 50 ft. high, bears N.75°W. and S.61°E.; thence along sloping bank of boulders and through a scattering growth of willows, greasewood, yellow top, mountain rush and cedar. At 6.90 chs., dry wash, 15 lks. wide, 3 ft. deep, at the mouth of ravine, course E. At 11.90 chs., dry wash, 15 lks. wide, 6 ft. deep, at the mouth of ravine, course E.

S.75°30'W. 4.40 chs. At the beginning of course, leave rough bank; thence along sandy bottom, through dense squaw bushes, willows and greasewood, bearing N.60°E. and S.60°W. At 3.40 chs., leave bottom land and dense undergrowth, bears N.60°W. and S.60°E., at the foot of broken wall, 40 ft. high, bearing N.61°E. and S.61°E.

N.61°E. 7.10 chs. From beginning of course, along top of the wall, over large boulders and outcroppings, and through scattering yellow top, shadscale and mountain rush.

Meanders of T. 18 S., R. 17 E.

N.49°W. 15.10 chs. At 0.80 chs., leave yellow top
and shadscale, and the top of
unbroken sandstone; descend nearly vertical wall, 65 ft.
high, bearing N.60°W. and
S.60°E.; thence, from foot of
wall over sandy bottom, through
scattering greasewood, dense
willows and squaw bushes; few
scattered cottonwood along
edge of water. At 5.30 chs.,
dry wash, 12 lks. wide, 4 ft.
deep, at the mouth of ravine,
course E.; from this station,
lower end of sand bar bears E.
about 3.00 chs. dist. At 14.20
chs., leave bottom land and
dense undergrowth, bears N.20°W.
and S.20°E., at the foot of
vertical wall, 65 ft. high,
bearing N.21°W. and S.21°E.
Thence along top of wall, over
boulders and outcroppings, and
through scattering yellow top
and shadscale.

N.21°30'W. 12.50 chs.
N.55°53'W. dist. 1.09 " At the beginning of course, desc.
the
gradually along N. side or shelf of/broken wall, 40 ft.
high, bearing N.56°W. and S.56°E., over boulders, to
restored
the meander cor. of fractional secs. 7 and 12, on the
W. bdy. of the Tp., hereinbefore described.

Land; very little level bottom land; water beats against
broken and vertical walls, 40 to 65 ft. high, during
high water period, on almost the entire meandered
distance.

Soil; rocky and shallow red sand on top of walls; sandy
loam several ft. deep, on the bottom land.

Timber; a few scattered boxelder and cottonwood along

Meanders of T. 18 S., R. 17 E.

	edge of water and in river bottoms.
16 sec.	Undergrowth; yellow top, shadscale, greasewood, mountain rush, willows and squaw bushes; willows and squaw bushes along edge of water on almost the entire dist.
17 sec.	Formation; sandstone. Fair growth of salt grass in bottoms and scattering bunch grass away from walls.
18 sec.	Thence with meanders in sec. 12, T. 18 S., R. 16 E. Desc. 40 ft. from broken wall, bearing N.56°W. and S.56°E.; thence over level bottoms from foot of wall, through scattering cottonwood, willows and greasewood. N.27°20'W. 16.61 chs. At 6.00 chs., dry wash, 50 lks. wide, 5 ft. deep, at the mouth of canyon, course E. At 14.40 chs., leave bottom land and undergrowth, bears NE. and SW.; asc. broken wall, 40 ft. high, bears N.5°E. and S.5°W.
19 sec.	N.5°15'E. 6.70 chs. Thence along broken wall, through scattering shadscale and yellow top, from beginning of course.
20 sec.	N.13°30'E. 15.70 chs. At 6.80 chs., leave broken wall, 25 ft. high, bears N.5°E. and S.5°W.; thence along rocky, sloping bank, through scattering willows and squaw bushes.
21 sec.	At 15.50 chs., leave willows and bedimmed cyclamen squaw bushes on rocky bank, and follow broken wall, through scattered shrubaceous ground, 40 ft. high, bearing N.30°E. and S.30°W., at 16.80 chs. At 17.30 chs. of course, leave the foot of broken wall, 40 ft. high, bearing N.15°E. and S.15°W.; thence along top of hill side on broken wall, through scattering yellow top and shadscale.
22 sec.	Follow broken wall, through scattered shrubaceous ground, 40 ft. high, bearing N.15°E. and S.15°W.; thence along top of hill side on broken wall, through scattering yellow top and shadscale.

Meanders of T. 18 S., R. 17 E.

...all cr.	N. 8° E. vdb .2.90 chs. At the end of course, leave top
bottom of sec. 18. 0.90 chs. 112 ft. above ground, toward rocky divide to some 1st cr., 0.60 chs. N.E. 1A .2.80 chs.	of wall, 40 ft. high, bears N. 8° E. and S. 8° W.; thence along rocky, sloping bank.
sameb N. $32^{\circ}30'$ E. 5.30 chs. To the cor. of secs. 1, 6, 7 and 12, established at the high water mark, on the W. bdy. of the Tp., hereinbefore described.	
...all cr. Land; level bottom with a sandy loam, several ft. deep; broken and sloping walls, 40 ft. high, and rocky slop- ing banks with a shallow red sand.	
white w. Timber; few scattered cottonwood along edge of water and in bottom land.	
white w. Undergrowth; shadscale, yellow top, willows and squaw bushes. Dense willows and squaw bushes along edge of water.	
white w. Outcroppings and boulders of sandstone.	
white w. Scattering growth of salt grass and bunch grass.	
white w. Thence in sec. 6. 0.80 chs.	
white w. Over rocky and sloping bank, through scattering timber and undergrowth.	
white w. N. 31° E. 5.70 chs. At 4.70 chs., leave rocky bank, thence along sandy shore.	
white w. N. $53^{\circ}30'$ E. 3.50 chs. At the beginning of course, enter a medium growth of timber, bears NW. and SE.	
white w. N. $31^{\circ}30'$ E. 3.40 chs. At the end of course, leave medium growth of timber, bears NW. and SE., and enter scatter- ing.	
white w. N. $53^{\circ}30'$ E. 2.40 " At 3.00 chs., leave sandy shore, thence along level bottoms, through dense greasewood, bear- ing N. 60° W. and S. 60° E.; bank 6 ft. high.	
white w. some 1st cr., 0.60 chs. 1A .2.80 chs.	
white w. same 1st cr., 0.60 chs. 1A .2.80 chs.	

Meanders of T. 18 S., R. 17 E.

- N. $1^{\circ}30'W$. . . 4.80 chs. At 0.10 chs., dry wash, 100 lks. wide, 6 ft. deep, at the mouth of Rabbit Valley Canyon, course E. At 3.34 chs., wire fence, bears E. and W.; enter dense squaw bushes and grove of cottonwood, bears E. and W.
- N. $2^{\circ}15'W$. . . 2.70 chs.
- N. $2^{\circ}30'E$. . . 2.60 " At the beginning of river bedded level; bear N. $12^{\circ}W$. . . 2.10 " At the beginning of course, leave valley bottom, cross J.A. 00, cliff granite bedrock, grove of cottonwood, bears E. and W. and W.
- N. $2^{\circ}45'E$. . . 5.40 chs. At 4.00 chs., leave dense squaw bushes, bears E. and W.; continue in dense greasewood; lower end of small island bears E. about 3.00 chs. dist.
- N. $52^{\circ}E$. . . 1.00 chs.
- N. $16^{\circ}30'E$. . . 8.70 chs. At 4.00 chs., leave dense greasewood and squaw bushes, bears N. $20^{\circ}W$. and S. $20^{\circ}E$, and enter scattering greasewood. Bank 7 ft. high. Leave bottom land.
- N. $27^{\circ}15'E$. . . 6.60 chs. Bank 5 ft. high. N. $36^{\circ}30'E$. . . 5.10 " N. $33^{\circ}E$. . . 8.10 " At 7.20 chs., dry wash, 15 lks. wide, 3 ft. deep, at the mouth of draw, course E.
- N. $55^{\circ}45'E$. . . 7.30 chs. At 2.00 chs., upper end of island bears E, about 3.00 chs. dist.; leave vertical bank, 6 ft. high, thence along rough sloping bank over boulders.
- N. $56^{\circ}45'E$. . . 7.80 chs.
- N. $72^{\circ}30'E$. . . 2.80 " At the beginning of course, leave N. $64^{\circ}45'E$. . . 6.20 " J.A. 00. At 0.3 chs., leave vertical bank, 6 ft. high, thence along rough sloping bank over boulders.
- N. $71^{\circ}30'E$. . . 6.00 chs. At the beginning of course, leave

Boundaries of T. 18 S., R. 17 E.

distantly bear. In upper part of drainage find to the west
to about the oblique junction with no broken soil noted, and
greasewood and shadscale.

soil more or less yellowish brown, sandy, gravelly, and

N. 69° 45' E. 2.70 chs.

N. 67° E. 3.40 " broken soil of broken

N. 56° 30' E. 1.70 "

and N. 60° 11' E. 2.65 " To the meander cor. of fractional

secs. 6 and 31, on the N. bdy. of the Tp., hereinbefore
referred to as the "new timberline," boundary described by

Land; level bottoms with vertical banks 4 to 7 ft. high;
rocky, sloping banks with sandstone boulders, in the
narrow of canyon. The surface slopes upward.

Soil; dark sandy loam several ft. deep in the river bot-
tom, rocky
toms, and a shallow red sand in the narrow of the can-
yon.

Timber; cottonwood.

Undergrowth; greasewood, squaw bushes, willows and shad-
scale; dense growth of willows and squaw bushes along
edge of water.

Dense growth of salt grass in river bottoms, and a fair
growth of bunch grass along banks and away from high
water mark. Note well all the points of

Latitudes, Departures and Closing Errors.

Line Designated	True Bearing	Dist- ance.	Latitudes.		Departures.	
			N.	S.	E.	W.
W. bdy. of Tp.	N. 0° 02' E.	480.36	480.36		0.28	
N. bdy. of Tp.	East	478.10			478.10	
E. bdy. of Tp.	South	480.77		480.77		
S. bdy. of Tp.	West	478.82				478.82
Convergency					0.59	
Totals		480.36	480.77	478.97	478.82	
Errors in lat. and dep.			0.41	0.15		

od distances have been adjusted and the errors removed to avoid

General Description.

Nearly all of this township is very rugged and mountainous, being located on the southwest side or break of the Tavaputs Range, with an elevation from four thousand to five thousand five hundred feet above sea level. The surface is cut by many deep canyons, the principal ones being Rattlesnake, Poverty, Coal Creek and Saleratus Canyons, draining west into Green River, which flows in a general southerly direction through the two west ranges of sections in the township. Between these canyons are sharp, narrow ridges with ledges, cliffs, pinnacles, boulders and slide-rock; but in some places the tops of the ridges are wider, forming small benches, mesas and shelves, a few of which are called Poverty, Coal Creek and Saleratus Benches, and Pinnacle Mesa. Green River is bordered on its sides on almost its entire distance through the township by nearly vertical sandstone walls, twenty-five to one hundred sixty feet high; the distance across the river varies from five to eight chains in the low water season and from eight to sixteen chains in the high water period, and the stream has a fall in elevation of approximately ten feet per mile.

Sandstone of several different colors is found in the greater part of this township, although limestone predominates in the south and southeast portions, while red shale is the formation in the northeast quarter of the township.

The soil is a red sand, very shallow and rocky, lying on bed-rock, on the greater part of the range, but on the benches and mesas the red soil lies on a white, chalky clay or on a brown clay subsoil, varying in depth from a few inches to about two feet, lying on bed-rock.

Deep sandy loam is found in a few places on the bottom land along Green River, but the tracts are subject to

General Description.

No land overflow land and are too small to be of any benefit for farming purposes with irrigation from Green River.

No other land in the township is suitable for raising crops, but more adapted for a winter range, and it is being used for that purpose at present, as there is an abundant growth of bunch grass on the shelves on the sides of canyons, and on benches and mesas. The cattle depend entirely on snow for water in the winter, but late in the fall and early in the spring the stock go back to graze nearer to Green River where there is also a fair growth of grass in the bottom land.

Cottonwood and boxelder are found along Green River, and scattered along creeks in the main canyons. A few large oak also grow along the wash in Coal Creek Canyon. Nearly all of the east half and the north central part of the township are covered with a medium growth of cedar and pinon pine; and scattering fir and mahogany is found on the higher ridges. Very little timber grows in the remaining portions of the township.

Dense willows, squaw bushes, rabbit brush and greasewood grow on the bottom land and along the banks of Green River, but shadscale, yellow top and mountain rush is the principal undergrowth away from the river bottoms.

There are no settlers in the township. But the Utah Power and Light Company have a rock dwelling, rock blacksmith shop and barn on the left bank of Green River in the northeast quarter of section nineteen. The house is vacant at present, but was used a few years ago while the company was prospecting and making excavations to bed-rock, to locate a dam site on Green River. They have made deep excavations to bed-rock on both banks of the river, in the northeast quarter of section nineteen, where the company contemplates building a dam to back the water up the canyon twelve miles, for power purposes. I saw no indications of oil, but there are numerous veins of coal as wide as three feet, exposed on the

General Description.

Coal Creek, sides of Rattlesnake and Poverty Canyons, and also on the sides of Green River Canyon in the southern part of the township. This part of the range does not appear to have been prospected, and from surface indications that there are no signs of spar outcroppings in section twenty, it is probable that gold, silver and lead ore can be found.

There are no roads in the township, but there are two well traveled pack trails, one on each bank of Green River and extending through Green River Canyon. Stock trails which are very rough follow the creek beds of Rattlesnake, Poverty and Coal Creek Canyons, but Saleratus Canyon is impassable.

Water is located in this township as follows:

Green River enters the township in section six and flows through the NE. $\frac{1}{4}$ NE. $\frac{1}{4}$, SW. $\frac{1}{4}$ NE. $\frac{1}{4}$, E. $\frac{1}{2}$ NW. $\frac{1}{4}$, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$, and the SW. $\frac{1}{4}$ of section six; W. $\frac{1}{2}$ NW. $\frac{1}{4}$, N. $\frac{1}{2}$ SW. $\frac{1}{4}$, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$, W. $\frac{1}{2}$ SE. $\frac{1}{4}$, and the SE. $\frac{1}{4}$ SE. $\frac{1}{4}$ of section seven; E. $\frac{1}{2}$ of section eighteen; NE. $\frac{1}{4}$ and the E. $\frac{1}{2}$ SE. $\frac{1}{4}$ of section nineteen; W. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section twenty; NE. $\frac{1}{4}$ NE. $\frac{1}{4}$ of section thirty; W. $\frac{1}{2}$ NW. $\frac{1}{4}$ and the W. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section twenty-nine; S. $\frac{1}{2}$ SE. $\frac{1}{4}$, NW. $\frac{1}{4}$ SE. $\frac{1}{4}$ and the SW. $\frac{1}{4}$ NW. $\frac{1}{4}$ of section thirty; N. $\frac{1}{2}$ NE. $\frac{1}{4}$, W. $\frac{1}{2}$ NW. $\frac{1}{4}$, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$ and leaves the township through the S. $\frac{1}{2}$ SW. $\frac{1}{4}$ of sec. 31. Saleratus Canyon: Seepage of alkali water rises and sinks in the NE. $\frac{1}{4}$ NW. $\frac{1}{4}$ of section one.

Dripping Springs: Small stream of slightly alkali water rises in the SE. $\frac{1}{4}$ NE. $\frac{1}{4}$ of section fifteen and flows into Coal Creek.

Fork of Saleratus Canyon: Small stream of soapy and alkali water rises in the SW. $\frac{1}{4}$ NW. $\frac{1}{4}$ of section sixteen and flows through the S. $\frac{1}{2}$ NE. $\frac{1}{4}$ of section seventeen.

Coal Creek: Small stream of alkali water rises in Township Eighteen South Range Eighteen East and flows through the SE. $\frac{1}{4}$ NE. $\frac{1}{4}$, N. $\frac{1}{2}$ SE. $\frac{1}{4}$ and the N. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section thirteen; N. $\frac{1}{2}$ SE. $\frac{1}{4}$, E. $\frac{1}{2}$ SW. $\frac{1}{4}$ and W. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section fourteen; S. $\frac{1}{2}$ NE. $\frac{1}{4}$, E. $\frac{1}{2}$ SE. $\frac{1}{4}$, W. $\frac{1}{2}$ SE. $\frac{1}{4}$ and

General Description.

the E. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section fifteen; N. $\frac{1}{2}$ NW. $\frac{1}{4}$, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$ and the NW. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section twenty-two; SE. $\frac{1}{4}$ NE. $\frac{1}{4}$, N. $\frac{1}{2}$ SE. $\frac{1}{4}$, N. $\frac{1}{2}$ SW. $\frac{1}{4}$ and the S. $\frac{1}{2}$ NW. $\frac{1}{4}$ of section twenty-one; SE. $\frac{1}{4}$ NE. $\frac{1}{4}$ of section twenty; same stream rises in the SW. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section seventeen and flows through the NW. $\frac{1}{4}$ NW. $\frac{1}{4}$ of section twenty, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$ of section nineteen and the SE. $\frac{1}{4}$ SE. $\frac{1}{4}$ of section eighteen into Green River.

Main fork of Poverty Canyon: Small stream of alkali water rises in the SE. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section twenty-five and flows through the NE. $\frac{1}{4}$ NW. $\frac{1}{4}$ of section thirty-six, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section twenty-five and sinks in the NW. $\frac{1}{4}$ NW. $\frac{1}{4}$ of section thirty-six.

Fork of Poverty Canyon: Small stream of alkali water rises in the NW. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section twenty-five and flows through the E. $\frac{1}{2}$ SE. $\frac{1}{4}$ of section twenty-six.

Main fork of Poverty Canyon: Small stream of alkali water rises in the SW. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section twenty-seven and flows through the NW. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section twenty-seven; N. $\frac{1}{2}$ SE. $\frac{1}{4}$, and N. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section twenty-eight and sinks in the NE. $\frac{1}{4}$ SE. $\frac{1}{4}$ of section twenty-nine.

Box canyon of the Main Fork of Poverty: Small stream of alkali water rises in the SW. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section twenty and flows into Green River.

Small spring of good clear water rises in the NE. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section fourteen and flows south into Coal Creek.

Rattlesnake Canyon: Stream of muddy, alkali water crosses the south boundary of the township on the south boundary of section thirty-three and flows through the S. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section thirty-three; E. $\frac{1}{2}$ SE. $\frac{1}{4}$, NW. $\frac{1}{4}$ SE. $\frac{1}{4}$ and the N. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section thirty-two; N. $\frac{1}{2}$ SE. $\frac{1}{4}$, SW. $\frac{1}{4}$ NE. $\frac{1}{4}$, E. $\frac{1}{2}$ NW. $\frac{1}{4}$ and the NW. $\frac{1}{2}$ NW. $\frac{1}{4}$ of section thirty-one into Green River.

Very respectfully,

J. B. Clark
U. S. Surveyor.

• FBI • WFO • NM 100-49007-10 (Rev. 6-22-64)

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Page

BOOK A-453

4-680

FIELD ASSISTANTS.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, J. C. Clark, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah, bearing date of the 22nd day of January, 1916, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the North, South and East Boundaries, Retracement and Resurvey of a Portion of the West Boundary, and Survey of the Subdivision and Meander Lines of T. 18 S., R. 17 E.; and Survey of a Portion of the Meander Lines of T. 18 S., R. 16 E. of the Salt Lake Base and Meridian, in the State of Utah, which are represented in and date diagram on page 1 of same on the dates shown on said diagram the foregoing field notes as having been executed by me, and under my direction, and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

J. C. Clark
U. S. Surveyor
Salt Lake City, Utah.

APPROVAL. Feb. 21, 1921.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 25, 1922

The foregoing field notes of the survey of the north, south, and east boundaries; retracement and resurvey of a portion of the west boundary; and survey of the subdivisional and meander lines of Township No. 18 South, Range No. 17 East; and survey of a portion of the meander lines of Township No. 18 South, Range No. 16 East, of the Salt Lake Base and Meridian, Utah

executed by J. C. Clark

under his special instructions dated January 22, 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

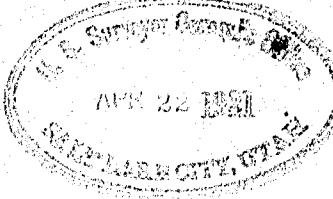
B. D. Borcason
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.

APR 22 1921

BOOK A-453

B.

FIELD NOTES

OF THE SURVEY OF ~~THE~~

Portions of the North Boundary,

East Boundary and the Subdivision of

T. 17 S., R. 17 E.

And

Meanders of Green River in Township 17 South, Range 17 East

Of the Salt Lake Base and Meridian,

the State of Utah.

EXECUTED BY

J. C. Clark

the capacity of U. S. Surveyor, under Special Instructions dated January 22, 1916,
issued by the United States Surveyor General to govern surveys included in Group
48, which were approved by the Commissioner of the General Land
Office, February 3, 1916, and Assignment Instructions dated May 10, 1920.

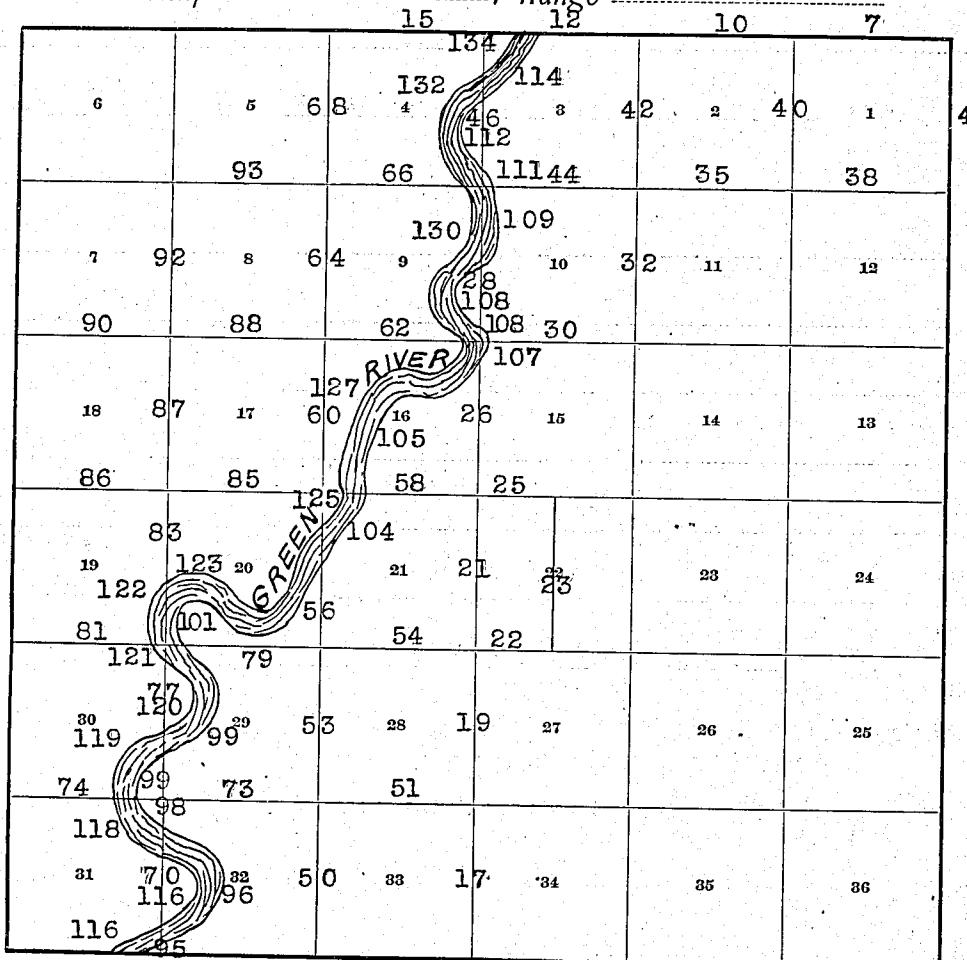
Survey commenced September 19, 1920.

Survey completed December 10, 1920.

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INDEX DIAGRAM.

Township 17 South Range 17 East.



as required in page 1

6. All elevations not having the following decimal place
figures will be rounded off to the nearest integer.

7. At 10:30 a.m. on the 19th instant DATE DIAGRAM, of execution
information, will be obtained from the U. S. Surveyor.

8. The survey will commence at point **T. 17 S., R. 17 E.** and extend
from the survey line to the right and left.

9. Survey lines will be run through the stream bed to

and across roads. The elevations will be taken and recorded
12/4/20 12/2/20 11/30/20 11/26/20

Survey commenced September 19, 1920, and executed by J. C. Clark, U. S. Surveyor, with Young and Sons trans-	11/6/20	11/13/20	11/18/20	11/19/20	11/22/20
days before survey date 10/28/20	11/5/20	11/13/20	12/7/20	11/19/20	11/20/20
days after survey date 10/28/20	10/27/20	10/13/20	11/16/20	11/17/20	11/23/20
Survey commenced September 19, 1920, and executed by J. C. Clark, U. S. Surveyor, with Young and Sons trans-	10/1/20	10/16/20	10/12/20	11/1/20	11/3/20
days before survey date 9/30/20	9/29/20	9/29/20	9/29/20	9/29/20	9/30/20
days after survey date 9/30/20	10/6/20	10/6/20	10/6/20	10/6/20	10/7/20
Survey commenced September 19, 1920, and executed by J. C. Clark, U. S. Surveyor, with Young and Sons trans-	30	29	28	29	30
days before survey date 9/28/20	9/28/20	9/28/20	9/28/20	9/28/20	9/29/20
days after survey date 9/28/20	10/5/20	10/5/20	10/5/20	10/5/20	10/6/20
Survey commenced September 19, 1920, and executed by J. C. Clark, U. S. Surveyor, with Young and Sons trans-	31	32	33	34	35
days before survey date 9/27/20	9/27/20	9/27/20	9/27/20	9/27/20	9/28/20
days after survey date 9/27/20	10/4/20	10/4/20	10/4/20	10/4/20	10/5/20

Survey commenced September 19, 1920, and executed by
J. C. Clark, U. S. Surveyor, with Young and Sons trans-

sits Nos. 8544 and 8570. The instruments are equipped

with Smith solar attachments and full vertical circles,
and the horizontal limbs are provided with two double

verniers placed opposite to each other and reading to

single minutes of arc, which is also the least count

of the verniers of the latitude, declination and ver-

tical circles.

The instruments were approved for use on this survey,
conditional upon satisfactory field tests, by the

Tests of Instruments.

Assistant Supervisor of Surveys for District No. 6, in assignment instructions dated May 10, 1920.

September 19, 1920, at my station in sec. 20, T. 17 S., R. 17 E., in approximate latitude $39^{\circ}19'$ N., approximate longitude $110^{\circ}06'$ W., I examine the adjustments of transit No. 8544 and its solar attachment, and correct the errors in the plate levels. I then test the solar apparatus by comparing its indications hourly with a true meridian established by a Polaris observation as follows:

September 19, 1920, at 7h 42.3m p. m., l. m. t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, about 5.00 chs. N.

September 20, at 7 a. m., app. t., I lay off the azimuth of Polaris, $1^{\circ}26'30''$ to the west, and mark the meridian with a nail in a stake set firmly in the ground, approximately 5.00 chs. N.

At 9h 0m a. m., app. t., I set off $39^{\circ}19'$ N. on the lat. arc; $1^{\circ}4'$ N. on the decl. arc; and determine a meridian with the solar which practically coincides with the true meridian.

At app. noon, with the lat. arc. unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is $1^{\circ}0'$ N., which agrees with the computed decl. of the sun.

At 3h 0m p. m., app. t., with the lat. arc unchanged, I set off $0^{\circ}58'$ N. on the decl. arc, and determine a meridian with the solar which falls less than a minute from the line obtained from the Polaris observation.

As all of the tests during the hours suitable for solar work come within $1'30''$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Test of Instruments.

Oct. 20, the cross wires fell out of the main telescope of transit No. 8544, due to wet weather, and I completed the survey with transit No. 8570; but, as the solar apparatus of this instrument required a factory adjustment, I surveyed the remainder of the Tp. with transit lines, the bearings being obtained by observations on Polaris as follows:

At the cor. of secs. 15, 16, 21 and 22, T. 17 S., R. 17 E., Oct. 31, 1920, at 4h 52.0m. a. m., l. m. t., I observe

Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions; and mark the mean point in the line thus determined, on a stake driven firmly in the ground about 5.00 chs. N. westerly from the corner of sec. 15.

Nov. 1, at 8 a. m., app. t., I lay off the azimuth of Polaris $1^{\circ}26'$ to the east, and note a point in the ground on the meridian on a ledge about 50.00 chs. dist.

At camp in sec. 13, T. 17 S., R. 17 E., Nov. 11, 1920, at 4h 08.7m. a. m., l. m. t., I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark the mean point in the line thus determined, on a peg set firmly in the ground approximately 5.00 chs. N. easterly.

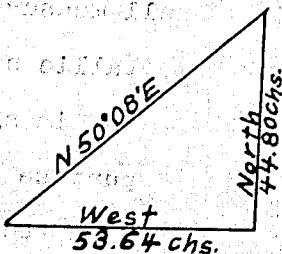
Nov. 12, at 7 a. m., app. t., I lay off the azimuth of Polaris $1^{\circ}26'$ to the east, and mark the meridian by a nail in a stake driven firmly in the ground about 5.00 chs. N. n. e. from the last point.

The adjustments of the instruments were tested frequently, and from repeated tests of the solar attachment of transit No. 8544 for latitude, declination and meridian, the instrument was known to be in adjustment during the survey of this township.

All measurements were taken with five and eight chain Lallie steel tapes which were compared often with a Lufkin standard one chain steel tape kept for this purpose only; and the distances measured on the slope were reduced to the horizontal by using a Keuffel and

Portion of the East Boundary of T. 17 S., R. 17 E.

Chains.	<p>Esser clinometer.</p> <hr/> <p style="text-align: center;">Portion of the East Boundary of T. 17 S., R. 17 E.</p> <hr/> <p>From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., hereinafter described,</p> <p>North on a true line along the E. bdy. of the Tp., bet. secs. 1 and 6.</p> <p>Desc. gradually 35 ft. lower canyon bottom, through dense undergrowth.</p>
6.00	Stream of clear water, 5 lks. wide, 10 ins. deep, in the bottom of Florence Creek Canyon, course W.; asc. 25 ft.
6.50	Old road, bears E. and W.
9.10	<p>Leave bottom of canyon at the foot of vertical wall, 380 ft. high, bearing E. and W.. From this ledge nearly all of the S. $\frac{1}{2}$ mile is impassable, owing to high ledges and cliffs on the precipitous N. side of Florence Creek Canyon; and as it is impossible to offset or make a triangulation at any point N. of the cor. of secs. 1, 6, 7 and 12, I return to this cor. and offset W. 8.25 chs. Then, to proceed N. on offset line, it is necessary to make the following triangulation, for it is impracticable to chain over series of ledges which are about 30.00 chs. dist. on the offset line:</p> <p>Set a flag on offset line on top of ridge; then use the distance bet. the 8.25 ch. point and the 61.89 ch. point, bet. secs. 1 and 12, as a baseline, the establishment of which being hereinafter described. From the W. end of the base the flag bears N.$50^{\circ}08'$E.; from the flag the W. end of the base bears S.$50^{\circ}08'$W., and by separate measurement of each angle, by deflection by three repetitions with error of 30" balanced to 180°, they are found respectively 90°00', 39°52' and 50°08'. Dist. by triangulation = 44.80 chs. to top of ridge, 910 ft. above bottom of Florence Creek Canyon,</p>



Portion of the East Boundary of T. 17 S., R. 17 E.

Chains. The true point lies on the ridge which runs SW.
projecting W. At 6.00 chs., the offset line crosses
Florence Creek, which drains northwesterly, and then
runs along the E. edge of cultivated land on the E.
side of the bottom of canyon for a distance of about
20.00 chs. to foot of ledges.
Then, E. 8.25 chs. from the triangulation point at
44.80 chs. to true line; thence, S. 0.07 chs., and at
44.73 On an abrupt and rugged SW. slope, 110 ft. above the
triangulation point at 44.80 chs., set an iron post, 3
ft. long, 1 in. diam., 3 ins. in the ground to solid
rock and surrounded by a mound of stone for witness $\frac{1}{4}$
sec. cor., with brass cap mkd:
S 1 S 6
40.00 1920
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor., as there are no trees within a reasonable
distance suitable for marking.
Continue S. from this witness $\frac{1}{4}$ sec. cor. over an abrupt
and rugged SW. slope, and at 4.73 chs. to
(Counting from the cor. of secs. 1, 6, 7 and 12) the
true point for $\frac{1}{4}$ sec. cor. falls on broken and abrupt
ledges, making it impossible to set the post or make a
cross at the 40.00 ch. point, which is located in the
head of a ravine; draining W., 225 ft. below witness
 $\frac{1}{4}$ sec. cor., desc. 85 ft. and asc. 20 ft.
25.00 Approximately. (Counting from cor. of secs. 1, 6, 7 and
12) Top of spur, 275 ft. above true point for $\frac{1}{4}$ sec.
cor., projects W. 41° 20' N. 70° 40' E. From the
witness $\frac{1}{4}$ sec. cor.,
North, on a true line bet. secs. 1 and 6.
45.50 Ridge, 20 ft. above witness $\frac{1}{4}$ sec. cor., bears S.70°E.
and S.70°W.; desc. 85 ft.
49.30 Head of ravine, course NW.; asc. 20 ft.
51.90 Spur, projects NW. about 15.00 chs. dist.
From this spur the line crosses the rugged and precipit-

Portion of the East Boundary of T. 17 S., R. 17 E.

Chains.	ous sides of forks of Florence Creek Canyon, making chaining impracticable; therefore I triangulate the remainder of the mile and give the approximate distance to topography.
68.00	From the 51.90 ch. point, desc. abruptly 650 ft. over a series of vertical ledges, 10 to 50 ft. high, bearing NW. and SE.
68.00	(Approximately) Junction of a N. fork of Florence Creek Canyon, from N.80°E., and a rugged gulch, from the NE., course S.80°W.; asc. along the W. side of the rugged gulch over outcroppings and ledges, 20 to 30 ft. high, bearing N.10°E. and S.10°W. to Tp. cor.
	From the 51.90 ch. point on spur, which I designate as point A, I make the following triangulation:
	Set a flag B on line near point for the Tp. cor.; then from this flag measure a base line S.54°W. 28.34 chs., to a point C which from point A bears N.62°45'W. From the W. end of the base point A bears S.62°45'E.; by separate measurement of each angle by deflection with three repetitions with an error of 60" balanced to 180°, they are found respectively
	$\begin{array}{l} \text{Dist. by triangulation} = 28.47 \text{ chs.} \\ \text{Dist. on true line} = 51.90 \\ \text{Total dist.} = 80.37 \\ \text{Dist. S. by return measurement} = 0.37 \\ \text{Total dist.} = 80.00 \end{array}$, or at
80.00	On a shelf on the W. side of gulch, 200 ft. above the junction of canyon and gulch, set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground for cor. of Tps. 16 and 17 S., Rs. 17 and 18 E., with brass cap mkd.
	R17E | R18E S36 | S31 S1 | S6 T17S | T18S 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor., as there are no trees within limits suitable for marking.

Portion of the N. Boundary of T. 17 S., R. 17 E.

Chains.

Land; abrupt sides of the N. fork and the main fork of Florence Creek Canyon, with white sandstone ledges, cliffs, boulders and slide-rock. .
 Soil; very little soil, but mostly rock exposed the entire mile; deep dark sandy loam in the bottom of the main canyon of Florence Creek. .
 S. L. contour " 68.40 chs. off to W. side face
 Timber; scattering scrubby cedar and a few fir; groves of cottonwood and boxelder along Florence Creek.
 Undergrowth; scattering service-berry; dense willows, squaw bushes and rosebushes along Florence Creek.
 Drainage W. Very little grass.

Portion of the N. Boundary of T. 17 S., R. 17 E.

From the cor. of Tps. 16 and 17 S., Rs. 17 and 18 E., just established, West on a true line bet. secs. 1 and 36, along the N. bdy. of T. 17 S., R. 17 E. Asc. 25 ft. over bed-rock, on the W. side of gulch, through scattering scrubby timber. Spur, projects S. about 10.00 chs. dist.; desc. abruptly 150 ft. over sloping ledges, 10 to 40 ft. high, bearing N. and S. Ravine, course S. 10°W. From this ravine the greater portion of the mile is impracticable to chain, owing to high ledges and cliffs on the precipitous sides of ravines and spurs, putting the Tp. as a base line. From the S. end of the base the flag on the N. bdy. of the Tp. bears N. 36°26'W., and from this flag the S. end of the base bears S. 36°25'E. By separate measurement of each angle by deflection with three repetitions with an error of 30" balanced

Portion of the North Boundary of T. 17 S., R. 17 E.

Chains.

- to 180°; they are found to be 90°00', 36°26' and 53°34'. The latter are combined with
Dist. by triangulation = 26.10 chs. West 26.10 chs.
- Dist. of base W. of point first good offset
Tp. cor. $\text{dist} = 8.25 \text{ ft.}$ N. 92.5°
- Total dist. W. of Tp. cor. 34.35 chs. Thence, W. 2.85 chs.
from flag at triangulation point, and at
On an abrupt S. slope, set an iron post, 3 ft. long, 1
in. diam., 3 ins. in the ground to bed-rock and sur-
rounded by a mound of stone for witness $\frac{1}{4}$ sec. cor.,
with brass cap mkd:
- ~~W 1 S 1~~
~~11.20 .3 N .T 30 1920~~
~~S 36~~
~~1920~~
- As there are no trees suitable for marking, I raise a
mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
From this witness $\frac{1}{4}$ sec. cor. the line follows along the
impassable N. side of Florence Creek Canyon, over high
ledges and cliffs, and as it is impossible to make a
triangulation or offset at any point W. of the cor. of
Ts. 16 and 17 S., Rs. 17 and 18 E., I return to this
cor. from which I finish the mile by traversing, after
noting approximately the distances to topography from
the 6.20 ch. point, as follows:
- Top of knoll, 115 ft. above ravine; desc. 165 ft.
- Junction of two ravines, from NE. and NW., course SW.;
asc. abruptly 725 ft. over sloping and vertical ledges,
20 to 50 ft. high, bearing NW. and SE.
- Leave ledges, bears NW. and SE., at triangulation point
on the top of abrupt ascent, bearing N.30°W. and
N.60°W.; asc. gradually 5 ft. to
- Witness $\frac{1}{4}$ sec. cor.
- Vertical ledge, 40 ft. high, bears N.75°W. and S.75°E.
- True point for $\frac{1}{4}$ sec. cor. falls on broken ledges on an
abrupt SW. slope, where it is impossible to mark a
cross or set the post.
- North 35.36 chs.

-8-

Portion of the N. Boundary of T. 17 S., R. 17 E.

Chains.

43.00

Head of draw, 70 ft. below witness & sec. cor., course S.; ascend 100 ft.

47.00

Sharp rugged spur, projects S. 10° E.; thence along abrupt and rugged N. side of Florence Creek Canyon, over ravines and spurs, putting S., with vertical ledges, 10 to 40 ft. high, bearing N. and S.

Thence, from the cor. of Tps. 16 and 17 S., Rs. 17 and 18 E., offset N. 0.37 chs.; thence west on offset line 8.25 chs., thence on traverse line
 $S. 54^{\circ} W. 48.25$ chs.

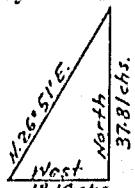
South 38.00 chs.

N. $55^{\circ} 30' E.$ 37.81 chs.

West 6.81 chs. to a point which has a northing of 39.32 chs., and a westing of 30.00 chs. from the N.P. cor. of the township. To offset N. to the N. bay. of the township from the end of the traverse line it is necessary to make a triangulation, for at about 28.00 chs. Dist. a line N. passes over series of high ledges on the abrupt N. side of Florence Creek Canyon, which make chaining impossible, therefore I determine the offset N. as follows: Set a flag on line on the N. side of canyon; then measure a base line west 18.14 chs. to a point from which the flag bears N. $80^{\circ} 51'$ E.; after the flag the west end of base bears S. $26^{\circ} 51' E.$; by separate measurement of each angle by deflection with three repetitions with an error of $60''$ balanced to 180° they are found respectively $80^{\circ} 00' 03'' 00' 51'$ and $26^{\circ} 51'.$

Dist. by triangulation = 37.81 chs.

Dist. S. by return meas. = 0.01 "



37.80 ", which subtracted

from the required northing of 39.32 chs., gives the position of the true point for the cor. of Secs. 1, 2, 35 and 36, 1.53 chs. N. of the offset point of 37.80 chs.; but as it is impossible to offset further north

Portion of the N. Boundary of T. 17 S. R. 17 E.

Chains. or to set the post or mark a cross at the true point, owing to the abrupt and rugged side of canyon, I establish a witness cor. 1.52 chs. S.of the N. bdy.of the Tp. on line bet. Secs.1 and 2, at the time the N. and S line is surveyed, by setting an iron post, 3 ft.long, 2 ins.diam., 6 ins.in the ground, to bed-rock, and surrounded by a mound of stone for witness corner of Secs. 1, 2, 35, and 36, with brass cap marked

T16S	R17E
W C	
S35	S36
S 2	S 1
T17S	
1920	

and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W. of corner.. This corner is located on a shelf of broken ledge, about 200 ft.below spur noted at 47.00 chs. Line runs along the precipitous, rough, and nearly barren N.side of Florence Creek Canyon, over ravines and spurs putting S. Soil, very scant; entire mile has rock exposed in the form of white sandstone boulders, slide-rock, sloping and vertical ledges. Timber, a few scattering scrubby cedar. Undergrowth, scattering service-berry bushes. Drainage SW. Southern exposure. No grass.

West between Secs.2 and 35,

Along abrupt, barren and rugged N. side of Florence Creek Canyon, over spurs and draws putting to the S. with impassable ledges.

45.00 Approximately. Ridge about 100 ft.above $\frac{1}{4}$ Sec. Cor. hereinafter described, bears NE. and SW.; precipitous descent of about 1000 ft.to witness cor.for Secs.2, 3, 34 and 35, hereinafter described.
To determine the distance I offset S' to the triangulation point which has a scuthing of 39.32 chs. from the true point for cor.of Secs.1, 2, 35, and 36; then on

Portion of the North Boundary of T. 17 S., R. 17 E.

Chains.

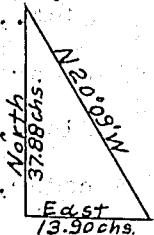
offset line: .43 chs. from point on Sec. 35

West, 40.00 chs. to true line.

To offset N. to true line I make the following triangulation, for the abrupt N. side of canyon with series of high ledges make chaining impossible:

Set a flag on line on the N. side of canyon; then use the W. 13.90 chs. of the offset line as a base. From the E. end of the base the flag bears N. $20^{\circ}09'$ W.; from the flag the 13.90 ch. point on offset line bears S. $20^{\circ}09'$ E., and by separate measurement of each angle by deflection, they are found respectively $90^{\circ}00'$, $69^{\circ}51'$ and $20^{\circ}09'$; their sum being equal to $180^{\circ}00'$.

Dist. by triangulation = 37.88 chs., thence N. to true line from flag



$$= \frac{1.44}{39.32} "$$

40.00 Westing from the true point for cor. of secs. 1, 2, 35 and 36, set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed-rock and surrounded by a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 35

 $\frac{1}{4}$

S 2

1920

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

This cor. is located on the abrupt and rugged N. side of Florence Creek Canyon, about 250 ft. above the true point for cor. of secs. 1, 2, 35 and 36.

The remainder of the mile being impassable owing to high ledges, I offset S. to the 40.00 ch. point on the offset line, which has a southing of 39.32 chs. from this $\frac{1}{4}$ sec. cor.; then on the offset line:

West, 40.00 chs.; thence, offset S. 8.00 chs.; then on offset line:

West, 39.68 chs.; thence, offset N. 47.32 chs. to true line; then E. 38.68 chs., or at

81.00 Westing from the true point for cor. of secs. 1, 2, 35.

Portion of the North Boundary of T. 17 S., R. 17 E.

Chains.

and 36, set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in the ground to bed-rock and surrounded by a mound of stone for witness cor. of secs. 2, 3, 34 and 35, with brass cap mkd:

T16S	R17E
S34	S35 WC
S3	S2

 T17S

from which,

A cedar, 10 ins. diam., bears N.6°E., 94 lks. dist., mkd. T 16 S R 17 E S 34 W C B T.

A cedar limb, 6 ins. diam., bears S.38°30'E., 153 lks. dist., mkd. T 17 S R 17 E S 3 W C B T.

A cedar limb, 6 ins. diam., bears S.32°W., 277 lks. dist., mkd. T 17 S R 17 E S 3 W C B T.

A cedar, 6 ins. diam., bears N.28°30'W., 233 lks. dist., mkd. T 16 S R 17 E S 34 W C B T.

This cor. stands on the bank of a dry wash, 70 lks. wide, 8 ft. deep, in the bottom of a canyon, draining S.70°W. The true point for cor. of secs. 2, 3, 34 and 35 falls in wash, EW of witness cor. 1.00 ch. dist.

Land; nearly barren, abrupt and rough; N. side of Florence Creek Canyon, E. 45.00 chs., and NW. slope of fork of Green River Canyon, W. 35.00 chs.

Soil; very little soil, but mostly white and red sandstone exposed in the form of large boulders, ledges and cliffs.

Timber; few scattering scrubby cedar.

Undergrowth; a few scattering service-berry bushes, mountain rush and shadscale. General drainage S. and SW. to Florence Creek and Green River. No grass.

West, bet. secs. 3 and 34.

From the true point for cor. of secs. 2, 3, 34 and 35, Asc. 110 ft. along rugged SE. slope, through scattering timber and undergrowth.

1.00 The witness cor. of secs. 2, 3, 34 and 35.

Portion of the North Boundary of T. 17 S., R. 17 E.

Chains.	
18.60	Top of ascent, bears NE. and NW.; desc. 220 ft.
28.30	Sloping ledge, 100 ft. high, bears N.10°E. and S.10°E.
32.10	Ravine, course NW.; asc. 30 ft.
39.68	Point of offset.
40.00	On top of knoll, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 34
	$\frac{1}{4}$
	S 3
	1920
	from which,
	A cedar, 6 ins. diam., bears N.3°W., 164 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.
	A cedar, 6 ins. diam., bears S.58°45'E., 125 lks. dist., mkd. $\frac{1}{4}$ S 3 B T.
	From this $\frac{1}{4}$ sec. cor., the NE. cor. of blacksmith shop bears S.45°10'W.; NE. cor. of granary bears S.45°36'W., NW. cor. of barn and corrals bears S.46°45'W., and the NE. cor. of James McPherson's sandstone house bears S.48°01'W.
	Over level top of knoll from $\frac{1}{4}$ sec. cor.
40.50	Desc. W. slope abruptly.
44.00	Base of abrupt descent, bears N. and S.; desc. gradually across rocky bottom of canyon, through dense under-growth, bearing N. and S.
56.70	Dry wash, 30 lks. wide, 2 ft. deep, course NW.
61.00	The left bank of Green River, bears N.20°E. and S.20°W. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for meander cor. of fractional secs. 3 and 34, with brass cap mkd:
	T16S
	S34
	S3
	T17S
	1920
	from which,
	A cottonwood, 6 ins. diam., bears N.4°30'E., 23 lks. dist., mkd. T 16 S R 17 E S 34 M C B T.

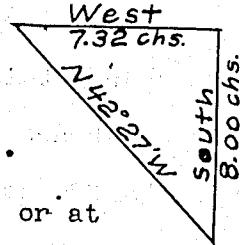
Portion of the North Boundary of T. 17 S., R. 17 E.

Chains. A cottonwood, 10 ins. diam., bears S.42°50'W., 89.1ks. dist., mkd. T 17 S R 17 E S 3 M C B T.

This cor. is located 185 ft. below $\frac{1}{2}$ sec. cor.

Owing to timber and dense undergrowth along the left bank of river, I am unable to make a triangulation from this meander cor.; therefore I return to the 60.48 ch. point which I designate as point A, and determine the distance across as follows:

Set a flag B on line at point for meander cor. on right bank; then measure a base line S. 8.00 chs. to a point C from which the flag B bears N.42°27'W.; from the flag B point C bears S.42°27'E.; and by separate measurement of each angle by deflection with three repetitions with an error of 30" balanced to 180°, they are found respectively 90°00', 42°27'
and 47°33'.



Dist. by triangulation = 7.32 chs.

Dist. on true line = 60.48 "

Total dist. on true line = 67.80 " or at

- 67.80 The right bank of Green River, bears N.10°W. and S.10°E. Set an iron post, 3 ft. long, 1 in. in diam.; 27 ins. in the ground for meander cor. of fractional secs. 3 and 34, with brass cap mkd:

T16S
S34
R17E
S3
T17S
1920

from which,

A cedar, 6 ins. diam., bears N.72°E., 14 lks. dist., mkd. T 16 S R 17 E S 34 M C B T.

A cottonwood, 12 ins. diam., bears S.23°W., 63 lks. dist., mkd. T 17 S R 17 E S 3 M C B T.

From this meander cor., the NE. cor. of blacksmith shop bears S.38°48'E.; NE. cor. of granary bears S.39°E.; NE. cor. of McPherson's house bears S.41°24'E.; NW. cor. of barn and corrals bears S.48°20'E.

Asc. NE. slope from this meander cor.

67.90 Dry wash, 3.00 chs. wide, 20 ft. deep, course S.70°E.

68.00 Set an iron post, 3 ft. long, 2 ins. in diam., 3 ins. in

Portion of the North Boundary of T. 17 S., R. 17 E.

Chains.

the ground to bed-rock and surrounded by a mound of stone for cor. of secs. 3, 4, 33 and 34, with brass cap mkd:

T16S	R17E
S33	S34
S4	S3
T17S	

1920

As all of the trees within a reasonable distance are either dead or too scrubby to mark, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

This cor. stands on the top of spur, projecting SE., 90 ft. above meander cor. of fractional secs. 3 and 34, on the right bank of Green River.

Land; rough slopes of canyons, E. 44.00 chs. and W. 12.20 chs.; rocky canyon bottom, remainder of mile.

Soil; red sand, rocky and shallow on the sides of canyons; deep sandy loam along the banks of river and in places in the bottom of Green River Canyon.

Timber; scattering scrubby cedar; cottonwood scattered along the banks of Green River.

Undergrowth; scattering yellow top, sagebrush and mountain rush on the sides of canyons; dense sagebrush, greasewood and rabbit brush in the bottom of canyon.

Formation; red and brown sandstone boulders and ledges.

Drainage E. and W. into Green River.

Scattering growth of bunch grass.

West, bet. secs. 4 and 33.

Asc. abrupt SE. slope over large boulders and outcroppings, through scattering timber and undergrowth.

10.00 Approximately. Base of series of high ledges and cliffs, bears NE. and SW. From this point chaining is impossible and the ledges become impassable near the top of ascent; therefore I determine the distance by traversing from the cor. of secs. 3, 4, 33 and 34; as follows: S.69°W., 47.10 chs.

N.46°W., 24.30 chs. to a point on true line which has a

Portion of the North Boundary of T. 17 S., R. 17 E.

Chains.	westing of 61.45 chs. from the cor. of secs. 3, 4, 33 and 34. Thence, E. on true line along a rough SE. slope, through scattering timber and undergrowth.
57.40	(Counting from cor. of secs. 3, 4, 33 and 34) Ravine, 115 ft. below end of traverse line, course SW.; asc. abruptly 185 ft. to
46.20	(Counting from cor. of secs. 3, 4, 33 and 34) On a rugged NW. slope, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for witness $\frac{1}{2}$ sec. cor., with brass cap mkd:
	S 33 $\frac{1}{4}$ WC
	S 4 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. All trees within a reasonable distance too scrubby for marking.
45.40	(Counting from cor. of secs. 3, 4, 33 and 34) Foot of broken ledge, 150 ft. high, bears N. and S.; from the top of this ledge the line passes over a series of broken ledges, bearing N. and S., on the abrupt NW. slope.
40.00	True point for $\frac{1}{2}$ sec. cor. is inaccessible as it falls on the broken ledges.
39.00	Approximately.(Counting from the sec. cor.) Rugged spur, about 225 ft. above witness $\frac{1}{2}$ sec. cor. and about 700 ft. above cor. of secs. 3, 4, 33 and 34, projects S. I return to the 61.45 ch. point at the end of traverse line, thence W. on true line along rough SE. slope, through scattering timber and undergrowth.
67.20	Spur, 70 ft. above the 61.45 ch. point, projects S.10°W. about 7.00 chs. dist.; desc. 55 ft.
71.00	Head of ravine, course S.10°E.; precipitous ascent of 180 ft. to
74.30	At the foot of broken ledge, 50 ft. high, bearing N. and S., set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed-rock and surrounded by a mound of stone for witness cor. of secs. 4, 5, 32 and

Subdivision of T. 17 S., R. 17 E.

Chains.

33, with brass cap mkd:

W.C.	Sec. 33	Sec. 34	T16S	R17E
	S32	S33	WC	
	S5	S4		
			T17S	

1920

As there are no trees suitable for marking, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

True point for sec. cor. is inaccessible owing to series of high cliffs and ledges on the abrupt and nearly barren E. side of spur.

Land; abrupt, rugged and nearly barren mountains of red and brown sandstone in the form of large boulders, slide-rock, ledges and cliffs.

Soil; red sand, very shallow and mostly rock exposed on the entire mile.

Timber; a few scattering scrubby cedar.

Undergrowth; sparse growth of shadscale, mountain rush and yellow top.

General drainage SE. Southern exposure.

Very little grass.

Subdivision of T. 17 S., R. 17 E.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy.

of the Tp., heretofore described,

N. $0^{\circ}02'W.$, bet. secs. 33 and 34.

Over nearly level top of mesa, through a medium growth of timber and scattering undergrowth.

Leave mesa and medium growth of timber, bears E. and W., and enter scattering; asc. abruptly 330 ft. over rough S. slope.

Vertical ledge, 30 ft. high, bears NW. and SE.

Vertical ledge, 40 ft. high, bears NW. and SE.

Ridge, bears NE. and SW.; desc. abruptly 460 ft.

Vertical ledge, 15 ft. high, bears W. and E. 2.00 chs. dist.; thence NE.

Vertical ledge, 40 ft. high, bears E. and W.

Subdivision of T. 17 S., R. 17 E.

Chains.	
28.00	Ravine, course NW.; asc. 15 ft.
30.90	Spur, projects NW. about 15.00 chs. dist.; desc. 230 ft. to $\frac{1}{4}$ sec. cor.
35.90	Vertical ledge, 30 ft. high, bears NE. and SW.
40.00	On a rough N. slope, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	S 33 | S 34
	1920
	from which,
	A cedar limb, 4 ins. diam., bears N. $78^{\circ}15' E.$, 92 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.
	A cedar, 4 ins. diam., bears S. $43^{\circ}45' W.$, 37 lks. dist., mkd. $\frac{1}{4}$ S 33 B T.
45.10	A S. fork of Spring Wash Canyon, 90 ft. below $\frac{1}{2}$ sec. cor., course W.; asc. 35 ft.
47.70	Spur, projects NW. approximately 10.00 chs. dist.; desc. 55 ft.
50.10	Ravine, course W.; asc. abruptly 540 ft. over large boulders and a series of broken ledges, 10 to 30 ft. high, bearing E. and W.
71.10	Leave series of broken ledges, bears E. and W.
71.30	Rugged ridge, bears E. and W.; desc. gradually 45 ft. over large boulders to
80.00	In the head of draw, draining W., set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to solid rock and surrounded by a mound of stone for cor. of secs. 27, 28, 33 and 34, with brass cap mkd:
	T17S | R17E
	S28 | S27
	S33 | S34
	from which,
	A cedar, 6 ins. diam., bears N. $67^{\circ} E.$, 70 lks. dist., mkd. T 17 S R 17 E S 27 B T.
	A cedar, 4 ins. diam., bears S. $40^{\circ}30' E.$, 124 lks. dist., mkd. T 17 S R 17 E S 34 B T.

Subdivision of T. 17 S., R. 17 E.

Chains.	A cedar, 6 ins. diam., bears S. 1°30' W., 88 lks. dist., mkd. T 17 S R 17 E S 33 B T.
	A cedar, 10 ins. diam., bears N. 16°30' W., 124 lks. dist., mkd. T 17 S R 17 E S 28 B T.
	A barren and impassable ridge of solid sandstone bears E. of this cor. 4.00 chs. dist. from the cor. 1.00 chs. Land; steep and rough mountains of sandstone formation; series of ledges and large boulders on all of the spurs and ridges.
	Soil; red sand, very shallow on spurs and ridges, deeper in draws and ravines, lying on a brown clay or on bed- rock.
	Timber; cedar and pinon pine..
	Undergrowth; sparse growth of shadscale and mountain rush.
	Southern exposure, S. 18.30 chs.; western exposure, N. .61.70' chs.
	General drainage W. Sparse growth of bunch grass.
	N.0°02' W., bet. secs. 27 and 28.
	Over rough mountainous land, through scattering timber and undergrowth; asc. S. slope 35 ft. over large boulders and outcroppings.
2.40	Spur, projects W.; desc. abruptly 480 ft.
8.30	Vertical ledge, 30 ft. high, bears E. and SW.
15.00	Top of broken ledge, 15 ft. high, bears E. and W.
18.40	Ravine, course W.; asc. 25 ft.
19.30	Ridge, bears E. and W. about 5.00 chs. dist.; desc. 70 ft.
21.30	Spring Wash Canyon, course S. 80°W.; asc. abruptly 535 ft. to $\frac{1}{4}$ sec. cor.
38.70	Vertical ledge, 50 ft. high, bears E. and W.
40.00	On a rough S. slope, set an iron post, 33 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap mkd: ins. 1.00 and 1.00, dist. 1.00, S 28 | S 27
	1920
	Accord. to S. 27, mks. to S. 28, cor. 1.00 chs.

Subdivision of T. 17 S., R. 17 E.

Chains.

- from which, I find 1.7 miles west and 2 miles east of
 A cedar, 6 ins. diam., bears S. $12^{\circ}15' E.$, 24 lks.
 dist., mdk. $\frac{1}{2}$ S 27 B.T. end of timber
 A cedar, 6 ins. diam., bears S. $31^{\circ}15' W.$, 50 lks.
 dist., mdk. $\frac{1}{2}$ S 28 B.T. of ledges has crossed a
 From this $\frac{1}{4}$ sec. cor., the line crosses sharp spurs which
 are capped with impassable sandstone cliffs, pinnacles
 and ledges, about 300 to 450 ft. high; therefore I give
 the approximate distances to topography on the N. half
 mile as follows:
- 41.20 Base of cap of ledges and cliffs, about 300 ft. high,
 bears E. and W., on top of spur, projecting W., 325 ft.
 above $\frac{1}{4}$ sec. cor. enter same see table 1 model
- 65.00 Rugged ravine, about 250 ft. below top of ledges, course
 W.; asc. abruptly about 250 ft. and desc. about 650 ft.
 68.00 Base of cap of ledges and cliffs, about 450 ft. high,
 bears NW. and SE., on top of spur, projecting NW.;
 desc. about 650 ft. from top of cliffs to sec. cor.
 From the $\frac{1}{4}$ cor. of secs. 27 and 28, I offset as follows:
 West, 33.40 chs.; then, on an offset line:
 N. $0^{\circ}02' W.$ 59.86 chs.; then offset line from
 East, 33.40 chs. to true line; thence, by
 S. $0^{\circ}02' E.$ 19.86 chs., and at:
 80.00 On a rugged NE. slope, set an iron post, 3 ft. long, 2
 ins. in diam., 18 ins. in the ground to solid rock and
 surrounded by a mound of stone for cor. of secs. 21,
 22, 27 and 28, with brass cap mdk.:

T17S	R17E
S21	S22
S28	S27
1920	

 from which, I find 1.7 miles west and 2 miles east of
 A cedar, 8 ins. diam., bears N. $29^{\circ}45' E.$, 17 lks.
 dist., mdk. T 17 S R 17 E S 22 B.T.
 A cedar limb, 4 ins. diam., bears S. $68^{\circ}30' E.$, 65 lks.
 dist., mdk. T 17 S R 17 E S 27 B.T.
 As there are no trees suitable for marking in secs. 21
 and 28, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.

Subdivision of T. 17 S., R. 17 E.

Chains.	high, W. of cor.
	Land; abrupt and rough mountains with sharp spurs and ridges which are capped with ledges, cliffs, crags and pinnacles about 300 to 500 ft. high.
	Soil; red sand, very shallow in most places, and rock exposed on nearly all of the entire mile in the form of large boulders, slide-rock, cliffs, ledges and pinnacles.
	Timber; scattering fir, pinon pine and scrubby cedar.
	Undergrowth; sparse growth of shadscale and mountain rush.
	General western exposure, S. 70.00 chs.; northern exposure, N. 10.00 chs.
	General drainage W. Sparse growth of bunch grass.
	Formation; red, brown and white sandstone, and red shale.

N. 0°02' W., bet. secs. 21 and 22.

Desc. rough NE. slope 310 ft., through scattering timber and undergrowth.

- 14.70 Ravine, course NW.; asc. 200 ft. to $\frac{1}{4}$ sec. cor.
- 28.30 Vertical ledge, 10 ft. high, bears N.20°W. and S.20°E.
- 40.00 On a rugged SW. slope, set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

S 21 | S 22

1920

from which,

A cedar limb, 6 ins. diam., bears N.28°30'E., 53 lks.
dist., mkd. $\frac{1}{4}$ S 22 B T.

A pinon pine, 6 ins. diam., bears N.22°45'W., 61 lks.
dist., mkd. $\frac{1}{2}$ S 21 B T.

- 67.20 Base of ledge, 70 ft. high, bears NW. and SE.
- 69.00 Top of the ledge, bears NW. and SE., on the top of ridge, bearing NW. and SE., 375 ft. above $\frac{1}{2}$ sec. cor.; precip-

Subdivision of T. 17 S., R. 17 E.

Chains.	itous descent of 475 ft. over a series of broken ledges, 15 to 50 ft. high, bearing NW. and SE. to sec. cor.
80.00	In the bottom of Three Ford Canyon, draining NW., set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to solid rock and surrounded by a mound of stone for cor. of secs. 15, 16, 21 and 22, with brass cap mkd:
	T17S | R17E S16 | S15 S21 | S22 1920 from which,
	A cedar, 12 ins. diam., bears N. $61^{\circ}15' E.$, 276 lks. dist., mkd. T 17 S R 17 E S 15 B T.
	A cedar, 10 ins. diam., bears S. $8^{\circ}30' E.$, 179 lks. dist., mkd. T 17 S R 17 E S 22 B T.
	A cedar, 6 ins. diam., bears S. $18^{\circ}30' W.$, 156 lks. dist., mkd. T 17 S R 17 E S 21 B T.
	As there are no trees available in sec. 16, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land; steep and rugged NE. and SW. slopes with red and brown sandstone boulders, slide-rock, ledges and outcroppings exposed on the entire mile.
	Soil; red sand, very shallow on slopes, but about 1 to 2 ft. deep in the bottom of Three Ford Canyon, lying on bed-rock.
	Timber; scattering scrubby cedar and pinon pine.
	Undergrowth; scattering shadscale and mountain rush.
	Drainage NW. Scattering growth of bunch grass.
	From the cor. of secs. 21, 22, 27 and 28, East on a random line bet. secs. 22 and 27. To survey this line it is necessary to offset from the cor. of secs. 15, 16, 21 and 22 as follows, on account of an impassable ridge crossing secs. 21, 22 and 27: East, 24.22 chs.; then, on a traverse line in sec. 22: S. $21^{\circ} E.$, 85.70 chs. to random line bet. secs. 22 and

Subdivision of T. 17 S. R. 17 E.

- Chains. 27; thence west 14.88 chs. to
40;00. Easting from the cor.of Secs.21, 22, 27, and 28,
Set an iron post, 3 ft.long, 1 in.in diam., 16 ins.in
the ground to solid rock, and surrounded by a mound
of stone, for $\frac{1}{4}$ sec. cor. with brass cap marked
- S 22
 $\frac{1}{4}$ _____
S 27
1920
- and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft.high N.
of cor.
- Approximate topography on true line bet. Secs.22 and 27
from the $\frac{1}{4}$ Sec. Cor.
- Ascend abruptly about 500 ft. along rough NE. slope,
through scattering scrub timber and undergrowth.
- 25.00 Rugged ridge, bearing N. 30° W. and S. 30° E.
Precipitous descent of about 450 ft. across the head
of ravine draining NW. to
- 40.00 The cor.of secs.21,22, 27, and 28.
Land, abrupt and rough mountains with ridge capped with
high ledges, cliffs, crags and pinnacles.
Soil, shallow and rocky red sand, lying on bed-rock.
Timber, scattering scrub cedar and pinon pine.
Undergrowth, sparse growth of shadscale and mountain
rush.
- General drainage NW. Eastern exposure E. 25.00 chs.;
western exposure W. 15.00 chs. Red and brown sand-
stone boulders and outcroppings on slopes.
- Scattering growth of bunch grass.
-
- From the $\frac{1}{4}$ Sec. cor.of Secs.22 and 27,
N. 0° 02' W. in Sec.22
Descend gradually 5 ft. along rough NE. slope, through
scattering scrubby timber and undergrowth.
- 2.80 Descent becomes more abrupt, bearing NW. and SE.

Subdivision of T. 17 S., R. 17 E.

Chains.	
5.30	Vertical ledge, 30 ft. high, bears NW. and SE.
7.30	Top of broken ledge, 50 ft. high, bears NW. and SE.
2.60	Dry wash, 40 lks. wide, 2 ft. deep, in the bottom of S. fork of Three Ford Canyon, 205 ft. below the top of abrupt descent, course NW.; over level canyon bottom.
14.00	Leave level bottom; begin gradual ascent along rough SW. slope.
33.10	Vertical ledge, 20 ft. high, bears N. 10° W. and S. 10° E.
33.20	Spur, 90 ft. above bottom of Three Ford Canyon, projects NW. about 6.00 chs. dist.; descend gradually 10 ft. to
37.00	Top of broken ledge, 30 ft. high, bears E. and W. 1.00 ch.; thence S.; precipitous descent 175 ft. to
40.00	On a rough N. slope, Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for center $\frac{1}{4}$ sec. cor. with brass cap mkd. C $\frac{1}{4}$ S 22 1920 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Trees too scrubby to mark.
41.00	Ravine, 25 ft. below center $\frac{1}{4}$ sec. cor., course W. Seepage of good water rises in places along the bottom of this ravine. Ascend abruptly 165 ft. to
43.80	Vertical ledge, 30 ft. high, bears SE. and NW.; ascend gradually 240 ft. along W. slope.
63.30	Spur, projects W. about 2.00 chs. Descend 235 ft. to
80.00	On a rough N. slope, Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd. S 15 S 22 1920 A cedar 8 ins. diam., bears N. $41^{\circ} 15'$ W. 58 lks. dist. marked $\frac{1}{4}$ S 15 B T A cedar, 6 ins. diam., bears S. $77^{\circ} 30'$ W. 52 lks.

Subdivision of T. 17 S., R. 17 E.

Chains.	dist., mld. $\frac{1}{4}$ S. 22 B. T. Land; rugged sides of the forks of Three Ford Canyon.
Soil.	Soil; shallow and rocky red sand, lying on bed-rock.
Timber.	Timber; scattering scrubby cedar and pinon pine.
Undergrowth.	Undergrowth; sparse growth of shadscale and mountain brush.
Drainage.	General drainage NW. Scattering growth of bunch grass.
Formation.	Formation; red and brown sandstone boulders and ledges.
	From the cor. of secs. 15, 16, 21 and 22, East, on a random line bet. secs. 15 and 22.
40.08	Intersect N. and S. line, 3 lks. S. of the $\frac{1}{4}$ cor. of secs. 15 and 22. Thence, go SW. along a random line, bearing S. $89^{\circ}57'W.$, on a true line bet. secs. 15 and 22. Desc. abruptly 225 ft. along rough NW. slope, over a series of ledges 10 to 30 ft. high, bearing northeasterly and southwesterly, through a scattering growth of timber and undergrowth. Leave series of ledges, bears northeasterly and south/westerly. Leave series of ledges, bears northeasterly and south/westerly. Small stream of alkali water, in wash, 70 lks. wide, 12 surface drift. deep, in the bottom of the N. fork of Three Ford Canyon, course SW.; asc. abruptly 90 ft. to
15.86	Point of offset on top of spur, projecting S. 6.00 chs. To road dist.; desc. abruptly 50 ft. over large boulders.
33.10	Leave boulders at the base of abrupt descent, bearing NW. and SE.; desc. gradually $\frac{1}{15}$ ft. across bottom of canyon. Dry wash, 100 lks. wide, 2 ft. deep, in the bottom of Three Ford Canyon, course NW.; over level canyon bottom to top of spur, soil crevices 70 ft. broad x 1 yd. deep.
37.30	Dry wash, 100 lks. wide, 2 ft. deep, in the bottom of Three Ford Canyon, course NW.; over level canyon bottom to top of spur, soil crevices 70 ft. broad x 1 yd. deep.
40.08	The cor. of secs. 15, 16, 21 and 22. Land; steep and rugged sides of the main and N. forks of Three Ford Canyon. Soil; red sand, shallow and rocky on sides of canyons, and about 1 to 2 ft. deep in the bottoms.

Subdivision of T. 17 S., R. 17 E.

Chains.	<p>Timber; scattering cedar and pinon pine... Undergrowth; sparse growth of shadscale and mountain rush on slopes; dense rabbit brush, greasewood and yellow top in the bottom of Three Ford Canyon. General drainage NW. Sparse growth of bunch grass. Formation; red and brown sandstone boulders and ledges. Note: Sec. 15 and the E. half of sec. 22 are unsurveyable on account of it being impossible to establish $\frac{1}{2}$ sec. cors. or witness $\frac{1}{4}$ sec. cors. on the E. bdys. of these secs. or in the center of sec. 15, owing to abrupt, rugged and impassable ridges of solid sandstone.</p>
	N. 0°02' W. bet. secs. 15 and 16.
	Over level canyon bottom, through scattering timber and undergrowth.
1.00	Dry wash, 1.80 chs. wide, .3 ft. deep, in the bottom of Three Ford Canyon, course NW.; continue over level land.
8.30	Leave canyon bottom; begin ascent of 45 ft. over SW. slope.
11.60	Spur, projects NW., about 5.00 chs. dist.; desc. 105 ft.
17.30	Seepage of alkali water, in the bottom of ravine, course W.; asc. 45 ft. min. 1.80 chs. dist.
22.10	Spur, projects W., about 2.00 chs. dist.; desc. 70 ft.
31.50	Dry wash, 30 lks. wide, 6 ft. deep, in the bottom of ra- vine, course SW.; precipitous ascent of 220 ft. to $\frac{1}{2}$ sec. cor. 15. 1.80 chs. dist.
36.80	Vertical ledge, 20 ft. high, bears E. and W.
40.00	On a rough S. slope, set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock and sur- rounded by a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap. mfd: in 1886, Cr. from the 1886 set. 180.00
	S. 16 chs. S 15 chs. sec. 16 to 1920, from which, solid iron post made in 1886, Cr. 180.00

Subdivision of T. 17 S., R. 17 E.

- Chains. A cedar, 12 ins. diam., bears N. $77^{\circ}30' E.$, 19 lks.
dist., mdkd. $\frac{1}{2}$ S. 15 B.T.
- A cedar, 10 ins. diam., bears S. $3^{\circ}W.$, 77 lks.
dist., mdkd. $\frac{1}{2}$ S. 16 B.T.
- 41.90 Vertical ledge, 20 ft. high, bears NW. and SE.
- 48.00 Top of broken ledge, 10 ft. high, bears NW. and SE.
- 50.20 About 7.00 chs. E. of line the extreme W. point of sand-
stone capping of ridge, 150 ft. high, bears N. and S.
- 50.50 Top of abrupt ascent, 180 ft. above $\frac{1}{4}$ sec. cor., bears
NE. and SE.; precipitous descent of 605 ft. to the left
bank of Green River.
- 64.00 Vertical ledge, 80 ft. high, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
- 76.20 Vertical ledge, 25 ft. high, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
- 76.40 Main traveled trail in the bottom of Green River Canyon,
bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
- 76.48 The left bank of Green River, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in
the ground to solid rock and surrounded by a mound of
stone for meander cor. of fractional secs. 15 and 16,
with brass cap mdkd:
- From E. base .001 said no part of MC
line .001 S. 16 S. 15 .001 : 05
sec. 7 th 03. M. mdkd. stevin T17S R17E 1920
from which, I. J. C. Jacob work on sec. 16
Aug 1 A cottonwood, 6 ins. diam., bears S. $21^{\circ}45' W.$, 170 lks.
dist., mdkd. T 17 S R 17 E S 16 M C B T.
- As there are no trees available in sec. 16, I raise a
mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
- 80.00 True point for cor. of secs. 9, 10, 15 and 16 falls in
Green River. Cor. not set.
- Land; abrupt and rugged, SW. slope of Three Ford Canyon,
S. 50.50 chs., and NW. slope of Green River Canyon, N.
26.00 chs.
- Soil; very shallow and rocky red sand, and mostly rock
exposed in the form of red and brown sandstone boulders

Subdivision of T. 17 S., R. 17 E.

Chains.	<ul style="list-style-type: none"> slide-rock and ledges. Timber; scattering scrubby cedar and pinon pine. Undergrowth; sparse shadscale and mountain rush on slopes; medium to a dense growth of sagebrush, yellow top and greasewood in the bottom of Three Ford Canyon. Drainage NW. into Green River. Sparse growth of bunch grass. Surveyed, chain .31 02 ft. nothing to verifyed.
	<p>N.0°02'W., bet. secs. 9 and 10. From meander cor. of fractional secs. 15 and 16, just established on left bank; I set a flag on line bet. secs. 9 and 10, on the same bank; then, to determine the distance from the true point for cor. of secs. 9, 10, 15 and 16, in river, to the flag, I traverse from the meander cor. as follows:</p> <p>N.18°E. 3.70 chs. At the end of this course set temp. point which is N.89°57'E. 1.14 chs. from the true cor. point in river; and from which I subsequently survey the line bet. secs. 10 and 15.</p> <p>N.2°E. 11.20 chs.</p> <p>N.44°10'W. 2.22 chs. to flag on line bet. secs. 9 and 10; thence, S.0°02'E. 0.08 chs., or at</p>
12.70	<p>On the left bank of Green River, bearing N.50°W. and S.50°E., set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for meander cor. of fractional secs. 9 and 10, with brass cap mkd. T17S R17E S9 S10 MC 1920 from which,</p> <p>A cedar, 6 ins. diam., bears S.81°15'E., 111 lks. dist., mkd. T 17 S R 17 E S 10 M C B T.</p> <p>A cottonwood, 16 ins. diam., bears N.53°30'W., 123 lks. dist., mkd. T 17 S R 17 E S 9 M C B T.</p> <p>N.0°02'W. from this meander cor.</p>

Subdivision of T. 17 S., R. 17 E.

- Chains
measured
Over gently rolling canyon bottom, through dense under-growth.
- 16.00 Leave squaw bushes, bears E. and W., and continue in dense greasewood and shadscale and some cottonwood.
- 21.00 Dry wash, 130 lks. wide, 7 ft. deep, course S. 70°W.
- 38.70 The left bank of Green River, bears N. 70°E. and S. 40°W.
- Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for meander cor. of fractional secs. 9 and 10, with brass cap mkd: J.M. and exit mrd: J.M.
- 61.01 S. 800 ft. from true line SMCB offset mrd: J.M.
- | | | |
|------|----------|------------|
| S9 | SLOPE M1 | S. 800 ft. |
| T17S | R17E | |
- 61.01 S. 800 ft. from true line 1920 s no. N. 70°E. W.
from which,
A cottonwood, 6 ins. diam., bears N. 44°30'E., 121 lks.
dist., mrd. T 17 S R 17 E S 10 M C B T.
- A cottonwood, 8 ins. diam., bears S. 80°30'W., 43 lks.
dist., mrd. T 17 S R 17 E S 9 M C B T.
- From this meander cor. the line falls in river for a distance of more than a half mile; therefore I offset as follows:
- | | |
|------|----|
| 0.12 | JM |
| 0.12 | JM |
- East, 10.80 chs.; then, on an offset line: N. 6°02'W. 41.30 chs., through dense greasewood and shadscale, over gently rolling river bottom.
- 45.60 Main traveled trail in the bottom of Green River Canyon, bears NE. and SW.; enter scattering timber, bears E. and W.; thence along bank of river ca. mrd. 02.1
- 49.80 Leave bank of river; over gently rolling land.
- 54.80 Leave timber, bears E. and W. with granite rocks.
- 80.00 Dry wash, 1.00 ch. wide, 6 ft. deep, course W.
- Offset West 10.80 chs. to true line. The true point for cor. of secs. 3, 4, 9 and 10 falls in dry river bed mrd. 02.1, which is under water during the high water season.
- Set temp. point, from which I subsequently survey the lines bet. secs. 3 and 4, and 3, and 9. 200 ft.
- Land; gently rolling bottoms of Green River Canyon.
- to true line N. and West exit mrd. 02.1 10.80 chs. a mrd.

Subdivision of T. 17 S., R. 17 E.

Chains.	Soil; red sandy loam, rocky on surface in places, several ft. deep.
Timber;	a few scattering cedar; cottonwood scattered along the banks of Green River.
Undergrowth;	greasewood, shadscale, squaw bushes, rabbit brush and yellow top, dense on some portions of mile.
Drainage W.	Sandstone boulders. Scattering bunch grass.
	From the temp. point previously set N.89°57'E. 1.14 chs. dist. from the true point for cor. of secs. 9, 10, 15 and 16, in river,
1.41	N.89°57'E., on a true line bet. secs. 10 and 15. Over rocky sloping bank 0.27 chs. to The high water mark on the left bank of Green River, bears N. and S. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for meander cor. of fractional secs. 10 and 15, with brass cap mkd:
	T17S S10 S15 : marked as R17E
1.45	Main traveled trail in the bottom of Green River Canyon, bears N. and S. No line; 1.12 lbs. 0.01 unmarked.
1.50	Begin to asc. abrupt and rugged E. side of Green River Canyon, over large boulders and series of ledges which make chaining impracticable; therefore I make the following triangulation: obliw. no 00.1, now yr 00.08 Set a flag E. of the true point for cor. of secs. 9, 10, 15 and 16, or $3\frac{1}{2}$ elks, S. of the true line bet. secs. 10 and 15, on the E. side of Green River Canyon; then bet. secs. 9 and 10 use the S. 38°70' chs. from the true point for cor. of secs. 9, 10, 15 and 16 to the meander cor. of secs. 9 and 10, as a baseline. From the meander cor. the flag bears S. 28°07'E.; from the flag the N. end of the base

Subdivision of T. 17 S., R. 17 E.

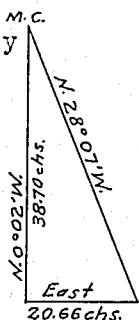
Chains.

bears N. $28^{\circ} 07'$ W. and by separate measurement of each angle by deflection with an error of $.30''$ balanced to 180° , they are found respectively $90^{\circ}02'$, $28^{\circ} 05'$, and $61^{\circ} 53'$.

Dist. on true line by

triangulation = 20.66 chs.

Thence N. $89^{\circ} 57'$ E. on true line
from a point $3\frac{1}{2}$ lks. N. of the trian-



gulation flag, through scattering timber and under-growth.

23.00 Rugged spur, 720 ft. above true point for cor. of Secs.

9, 10, 15, and 16, projects NW. approximately 25.00 chs.; descend abruptly 265 ft.

35.60 Ravine, course N.; ascend 60 ft. to $\frac{1}{4}$ sec. cor.

38.10 Top of broken ledge, 20 ft. high, bears N. and S.

40.00 On a rugged W. slope,

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 10

S 15

1920

and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Trees too scrubby to mark.

43.10 Vertical ledge 25. ft. high, bears NE. and SW.

44.60 Spur, 155 ft. above $\frac{1}{4}$ sec. cor. projects N. about 10.00 chs. Descend 130 ft..

46.30 Vertical ledge, 30 ft. high, bears NW. and SE.

52.80 Draw, course NW. Ascend 140 ft..

60.00 Vertical ledge, 40 ft. high, bears NE. and SW.

62.90 Top of ascent, bearing E. and W.; descend 175 ft.

72.60 Draw, course N.; ascend 45 ft..

74.60 Spur, projects NW. about 5.00 chs.; descend 100 ft.

77.00 Rugged canyon, course NW.; ascend abruptly 205 ft..

78.00 Vertical ledge 40 ft. high, bears N. 10° W. and S. 10° E.

80.00 On a rugged SW. slope,

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.

Subdivision of T. 17 S., R. 17 E.

Chains, in the ground, for cor. of Secs. 10, 11, 14, and 15, with brass cap marked

T17S R17E
S10|S11
S15|S14
1920

and raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Trees too scrubby to mark.

Land, steep and rugged mountains of red and brown sand-stone formation.

Soil, red sand, shallow on greater portion of mile, but deeper in draws and ravines; lying on bed-rock.

Timber, scattering scrub cedar and pinon pine.

Undergrowth, scattering service-berry bushes.

Drainage and exposure West, W. 23.00 chs.; remainder of mile drains NW. with a northern exposure.

Fair growth of bunch grass.

N. 0° 01' W. bet. Secs. 10 and 11,

To survey this line it is necessary to traverse, offset and triangulate, on account of impassable ridges.

Approximate topography on line as follows:

Ascend abrupt, barren SW. slope about 225 ft., over broken and vertical ledges.

12.00 Sharp and rugged ridge, bearing NW. and SE. Descend abruptly about 720 ft. over series of vertical ledges 30 to 100 ft. high, bearing NW. and SE.

30.00 Base of ledges, bearing NW. and SE.

40.00 True point for $\frac{1}{4}$ sec. cor. subsequently established as follows:

On an abrupt N. slope,

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock, and surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 17 S., R. 17 E.

- Chains. S 10 | S 11 . . .
 1
 1920
- from which . . .
- A cedar limb, 4 ins.diam., bears N. $29^{\circ} 45'$ E.
 58 lks.dist., mkd. $\frac{1}{4}$ S. 11 B T
- A cedar, 4 ins.diam., bears N. 17° W. 34 lks.
 dist., mkd. $\frac{1}{4}$ S 10 B T
- 51.00 Canyon, 225 ft. below $\frac{1}{4}$ sec. cor., course N. 80° W.;
 precipitous ascent of 850 ft. over rugged S. slope.
- 62.00 Base of perpendicular ledges, 50 to 100 ft. high, bears
 N. 80° W. and S. 80° E.
- 74.20 (Distance by triangulating and offsetting) sharp, rough
 ridge, bearing N. 80° W. and S. 80° E.; precipitous
 descent of about 250 ft. over broken and vertical
 ledges, 20 to 50 ft. high, bearing N. 80° W. and S. 80°
 E. to . . .
- 80.00 True point for cor. of Secs. 2,5,10, and 11 falls on a
 nearly vertical ledge, about 50 ft. high, bearing NW.
 and SE.; where it is impossible to set post or mark
 across.
- 80.65 (Distance by triangulating and offsetting) At foot of
 ledge, subsequently I . . .
 Set an iron post, 3 ft. long, 2 ins.diam., 14 ins.in
 the ground to solid rock and surrounded by a mound
 of stone for witness corner of secs. 2,3,10, and 11,
 with brass cap mkd. . . .
- T17S R17E
 S 3 | S 2
 ——————
 S10 S11
 W C
 1920
- from which . . .
- A cedar, 4 ins.diam., bears N. $77^{\circ} 30'$ E. 30
 lks.dist., mkd.T 17 S R 17 E S 2 W C B T
- A cedar 14 ins.diam., bears S. $80^{\circ} 15'$ E. 162
 lks.dist., mkd.T 17 S R 17 E S 11 W C B T
- A cedar 20 ins.diam., bears N. $45^{\circ} 15'$ W. 159

Subdivision of T. 17 S., R. 17 E.

Chains.

lks.dist., mkd. T 17 S R 17 E S 3 W C P T

No trees available in Sec. 10, raise a mound of stone
3 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

Land abrupt and rough mountains with ridges capped with
high ledges, cliffs, crags, and pinnacles.

Soil, shallow and rocky red sand in places, but mostly
rock exposed on the entire mile in the form of red
and brown sandstone boulders and outcroppings.

Timber, scattering scrubby cedar and pinon pine.

Undergrowth, scattering service-berry bushes and moun-
tain rush. General drainage W., N., and S. exposure.

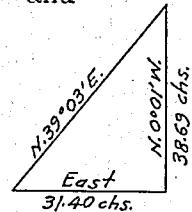
Fair growth of bunch grass where rock is not entirely
exposed.

To determine the distance bet. Secs. 10 and 11, I pro-
ceed from the cor. of Secs. 10, 11, 14 and 15 as fol-
lows: N. $41^{\circ} 30'$ W. 47.40 chs. on a traverse line;
then offset East 31.40 chs. to true line; thence N. 0°
 $01'$ W. 4.50 chs. to point for $\frac{1}{4}$ sec. cor. heretofore de-
scribed. From this $\frac{1}{4}$ sec. cor. I set a flag on line
on top of ridge; then, from the W. end of the offset
line just run, which I use as a base, the flag bears
N. $39^{\circ} 03'$ E. From the flag the W. end of the offset
line bears S. $39^{\circ} 03'$ W. The included angles of the
triangle are found to be $89^{\circ} 59'$, $50^{\circ} 57'$ and
 $39^{\circ} 04'$, respectively, and their
sum is equal to $180^{\circ} 00'$.

Dist. by triangulation = 38.68 chs.

Dist. on true line = 35.50 "

Total dist. on true line = 74.19 "



Subsequently from the 40.30 chs. point on random line
bet. Secs. 3 and 10, I offset N. $0^{\circ} 01'$ W. 58.65 chs. to a
point where the flag on top of ridge at 74.19 chs.
bet. secs. 10 and 11 can be seen; then return S. to the
31.94 chs. point on this offset line and measure the
distance N. $89^{\circ} 57'$ E. to a point N. $0^{\circ} 01'$ W. of flag. The
length of this line is 39.68 chs., which I use as a
base, and is parallel to a line running N. $89^{\circ} 57'$ E.
from the 58.65 chs. point at the end of the offset.
From the 58.65 chs. point on the offset line the

Subdivision of T. 17 S., R. 17 E.

Chains.

flag between sections 10 and 11 bears S.31°34'E.; from the flag the N. end of the offset line bears N.31°34'W., and the included angles of the triangle are found to be respectively $N89^{\circ}57'E$, 39.68 chs. $89^{\circ}58'$, $58^{\circ}29'$ and $31^{\circ}33'$; their sum being equal to $180^{\circ}00'$.

Dist. by triangulation = 64.65. chs.

Dist. offset N.0°01'W.

from random line bet.

secs. 3 and 10 = $\frac{58.65}{64.65}$ $\frac{140.30 \text{ chs.}}{39.78 \text{ chs.}}$ sec. 3 $\frac{6.00}{6.00}$ chs.

which is the fall-

ing of the random line bet. secs. 3 and 10, N. of the flag bet. secs. 10 and 11.

The flag at 74.19 chs. bet. secs. 10 and 11 is 5.81 chs. S. of the true point for cor. of secs. 2, 3, 10 and 11, or the random line bet. secs. 3 and 10 falls 19 lks. N. of the true cor. point; therefore, from the point $N.89^{\circ}57'E.$ 39.68 chs. dist. from the 31.94 ch. point on the offset line, S.0°01'E. 31.48 chs. to

80.65 The witness cor. of secs. 2, 3, 10 and 11, heretofore described.

East, on a true line, bet. secs. 2 and 11.

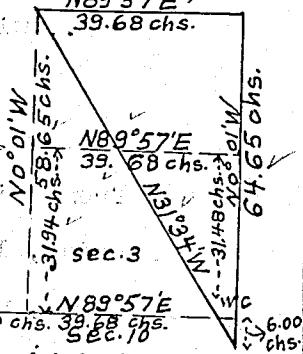
From the true point for cor. of secs. 2, 3, 10 and 11, on ledge, I offset N.0°01'W. 0.65 chs. to the witness sec. cor.; then, on an offset line:

East 6.60 chs. along a gradual and an abrupt, rugged N. slope, through a medium growth of timber and undergrowth; then, offset S.0°01'E. 0.65 chs. to true line; thence, E. bet. secs. 2 and 11.

10.60 Descent of N. slope becomes more abrupt, and timber more scattering.

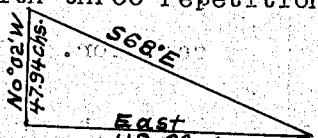
.30.30 Ravine, 265 ft. below true point for cor. of secs. 2, 3, 10 and 11, course N.; asc. 45 ft.

36.80 Spur, projects N. about 8.00 chs. dist.; desc. 30 ft. to $\frac{1}{4}$ sec. cor.



Subdivision of T. 17 S., R. 17 E.

Chains.	
40.00	On an abrupt and rough N. slope, set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	$\frac{1}{4}$ S 2 S 11 1920
	from which,
	A cedar, 10 ins. diam., bears N. $15^{\circ}15' E.$, 60 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.
	An cedar, 6 ins. diam., bears S. $48^{\circ}30' E.$, 34 lks. dist., mkd. $\frac{1}{4}$ S 11 B T.
41.00	Bearing of descent changes from E. and W. to NW. and SE.
49.00	Base of abrupt descent, bears NW. and SE.; leave medium growth of service-berry bushes and mountain rush, bears NW. and SE., and enter dense sagebrush; thence, over nearly level bottom of canyon.
51.90	Dry wash, 80 lks. wide, 1 ft. deep, in the bottom of Pine Canyon, 240' ft. below $\frac{1}{4}$ sec. cor., course N.
56.90	Leave dense sagebrush, bears NW. and SE., and bottom of canyon; asc. abrupt SW. slope over large boulders and outcroppings.
60.60	Vertical ledge, 25 ft. high, bears N. and S.
62.00	Vertical ledge, 40 ft. high, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
	From this point the remainder of the mile is impracticable to chain on account of high ledges, cliffs and pinnacles; therefore I make the following triangulation:
	Set a flag on line on the rugged E. side of canyon; 39.68 chs. then, from a point W. of the true point for cor. of secs. 2, 3, 10 and 11, and which is 15 lks. S. of the 40.30 ch. point on random line bet. secs. 3 and 10, measure a base line N. $0^{\circ}02' W.$ 47.94 chs. to a point from which the flag bears S. $.68^{\circ}E.$ From the flag the N. end of the base bears N. $.68^{\circ}W.$; by separate measurement of each angle by deflection with three repetitions, with an error of 1' balanced to 180° , they are found



Subdivision of T. 17 S., R. 17 E.

Chains. respectively $90^{\circ}02'$, $67^{\circ}58'$ and $22^{\circ}00'$.
 Dist. by triangulation = 118.63 chs.
 Dist. the base line is
 W. of true point for cor. of secs. 2, 3, 10 and 11 = 39.68 "
 Total dist. on true line = 78.95 "
 Dist. W. by return measurement = $\frac{0.42}{78.53}$ ", or at

- 78.53 On an abrupt and rugged W. slope, 580 ft. above the bottom of Pine Canyon, set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground to solid rock and surrounded by a mound of stone for witness cor. of secs. 1, 2, 11 and 12, with brass cap mkd:

T17S	R17E
S2	S1
S11	WC
1920	

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. All trees too scrubby to mark or inaccessible on account of ledges.

- 80.00 The true point for cor. of secs. 1, 2, 11 and 12 falls on a sloping ledge, 25 ft. high, bearing E. and W., where it is impossible to set the iron post or make a cross.

Land; steep and rough mountainous; S. side of Florence Creek Canyon, W. 41.00 chs.; E. and W. sides of Pine Canyon, E. 39.00 chs.

Soil; rocky and shallow red sand on the sides of canyons and sandy loam, 2 or 3 ft. deep in the bottom of Pine Canyon.

Timber; scattering to a medium growth of cedar and a few pinon pine.

Undergrowth; scattering to a medium growth of serviceberry bushes and mountain rush on the sides of canyons; dense sagebrush in the bottom of Pine Canyon.

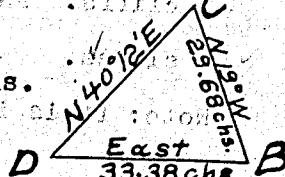
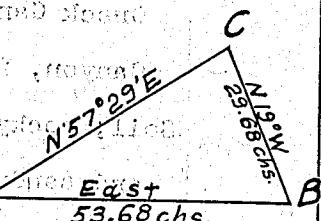
General drainage N. to Florence Creek.

Red and brown sandstone boulders, ledges, pinnacles and cliffs. Fair growth of bunch grass on the N. and E. slopes.

Note: It is impossible to lay off a proper base line

Subdivision of T. 17 S., R. 17 E.

Chains.	nearer to the flag on the E. side of canyon, than the one used in the triangulation, where all angles can be read by deflection, owing to projecting points, crags and cliffs.
18.00	From the true point for cor. of secs. 1, 2, 11 and 12, East, on a true line bet. secs. 1 and 12. Asc. abruptly 380 ft. over rugged SW. slope, through scattering timber and undergrowth.
18.11	Sharp, rugged ridge, bears NW. and SE.; from this point the line passes over the abrupt NE. slope of high sloping ledges which make chaining impossible; therefore I triangulate as follows: To form a solid base.
	Set a flag which I designate as point A; then, set a point B on line in the bottom of Florence Creek Canyon, and also a point C in the bottom of the same canyon. From flag A, point C bears N.57°29'E.; the base BC bears N.19°W. 29.68 chs. dist.; and by separate measurement of each angle by deflection with three repetitions with an error of 30" balanced to 180°, they are found respectively 32°31', 71°00' and 76°29'. Dist. by triangulation = 53.68 chs. Dist. on true line to Point A = 18.11 chs. Total dist. on true line = 71.79 chs. 53.68 chs.
	To determine the position of the $\frac{1}{4}$ sec. cor., I set a flag D on line near the point for this cor., on the NE. slope; then, use the same base BC as measured for the previous triangulation. From point D the N. end of the base bears N.40°12'E.; from point C the flag D bears S.40°12'W., and by separate measurement of each angle by deflection with three repetitions with an error of 1' balanced to 180°, they are found respectively 49°48', 71°00' and 59°12'. Dist. by triangulation = 33.38 chs. West from flag D = 0.02 chs. Dist. west of base BC = 33.40 chs.



Subdivision of T. 17 S., R. 17 E.

Chains.	
.38.39	Total dist. on true line to base line BC = 71.79 chs. Minus = <u>33.40</u> " • 38.39 "
.38.39	On the abrupt and rough NE. slope, 550 ft. below top of ridge, set an iron post, 3 ft. long, 1 in. in diam., asc. 08.31 20 ins. in the ground to solid rock and surrounded by a mound of stone for witness $\frac{1}{2}$ sec. cor., with brass cap mkd: to metal rod in side of upper ledge S 1 $\frac{1}{4}$ WC S 12 Rubber to survey ribbon in 1920 triangulation point and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, course N. of cor. All trees are too scrubby to mark or inaccessible on account of ledges. No trees in 40.00 True point for $\frac{1}{4}$ sec. cor. falls on a broken and sloping ledge where it is impossible to set the iron post or to cut across (X). Above noted base post : no timber 45.00 Approximately. Draw, about 40 ft. below witness $\frac{1}{2}$ sec. cor., course NE.; asc. about 65 ft. 50.00 Approximately. Rugged spur, projects N. 60° E. about 8.00 mi. N. of base line BC. Noted point is 100 ft. above base line BC. dist. to a point where it breaks off abruptly in 3 ft. 1. base post and rubbers no. 11.00 E. N. to Florence Creek Canyon; precipitous descent of 275 ft. no accessible bridge, cliff, bank or ridge of over two ft. over broken and sloping ledges. 64.50 Mouth of ravine, draining N. 60° E., at the base of abrupt descent, bearing N. 60° E. and S. 60° W.; leave scattering timber and enter dense sagebrush, bears N. and S.; thence, over gently rolling bottom of Florence Creek Canyon to sec. cor. 71.79 Triangulation point B at the S. end of base line BC. 80.00 On the E. bdy. of the Tp., at the side of a large boulder, 15 ft. high, and 25 ft. above foot of abrupt descent, set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to solid rock and surrounded by a mound of stone for cor. of secs. 1, 6, 7 and 12, with brass cap mkd: T17S R17E R18E : no timber S1 S6 Rubber to side of side of S12 S7 : no timber in 1920

Subdivision of T. 17 S., R. 17 E.

Chains.

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

Land; steep and rugged SW. slope of Pine Canyon and NE.

slope of Florence Creek Canyon, W. 64.50 chs.; gently
rolling bottom of Florence Creek Canyon, E. 15.50 chs.

Soil; very shallow red sand on the sides of canyon, and
deep sandy loam and a black loam in the bottom of can-
yon.

Timber; scattering to a medium growth of cedar, pinon
pine and fir.

Undergrowth; scattering service-berry bushes and mount-
ain rush on the rough portions of mile, and dense sage-
brush in the bottom of canyon.

General drainage NW. Very little grass.

Formation; red and brown sandstone boulders, crags, slop-
ing, vertical and broken ledges.

From the true point for cor. of secs. 1, 2, 11 and 12,
N. $0^{\circ}01'W.$, on a random line bet. secs. 1 and 2.

Owing to high ledges, cliffs, crags and pinnacles on the
abrupt SW. slope of Pine Canyon and the NE. slope of
Florence Creek Canyon, the S. $\frac{1}{2}$ mile is impassable;
therefore I offset as follows:

West 42.10 chs. to the 37.90 ch. point bet. secs. 2
and 11; then, on an offset line:

N. $0^{\circ}01'W.$ 40.00 chs.; then

East 42.10 chs. to random line, on which at

40.00 Set temp. $\frac{1}{2}$ sec. cor.; thence N. $0^{\circ}01'W.$

40.72 Approximately 26.00 chs. N. of this point the line pass-
es over series of high ledges on the abrupt N. side
of Florence Creek Canyon, which make chaining impos-
sible; therefore I determine the remaining distance as
follows:

Set a flag on line on the N. side of canyon; then,

Subdivision of T. 17 S., R. 17 E.

Chains.

- measure a baseline W. 16.80 chs. to a point from which the flag bears N. $23^{\circ} 55' E.$ From the flag the W. end of the base bears S. $33^{\circ} 55' W.$; by separate measurement of each angle by deflection with three repetitions with an error of $1'$ balanced to 180° , they are found respectively $89^{\circ} 59'$, $66^{\circ} 05'$, and $23^{\circ} 56'$.
Dist. by triangulation = 37.86 chs.
Dist. on random line = 40.72 "
Total dist. on random line 78.58 chs.



- 80.10 Intersect N. bdy. of Tp., 3 lks.E. of the true point for cor. of secs.1, 2, 35, and 36, hereinbefore described. Thence S. $0^{\circ} 02' E.$ on a true line bet. Secs.1 and 2; descend abruptly 550 ft. over rugged land nearly barren N. side of Florence Creek Canyon.
- 1.52 Establish witness cor. for secs.1, 2, 35, and 36, hereinbefore described.
- 13.10 Top of nearly vertical ledge, 60 ft. high, bears E. and SW.
- 18.50 Foot of abrupt descent bears E. and W.; descend gradually 20 ft. over bottom of canyon.
- 21.00 Stock yard 88 x 84 ft. bears N. of line 2.30 chs. dist.
- 22.70 Road, bears E. and W. on the N. edge of Alfalfa field, bearing E. and W.
- 25.60 Leave alfalfa field bears N. $70^{\circ} E.$ and S. $70^{\circ} W.$
- 27.10 Creek of good clear water, 6 lks. wide, 8 ins. deep, in the bottom of wash, 180 lks. wide, 6 ft. deep in the bottom of Florence Creek Canyon, course W.; ascend 40 ft. to sec. cor., through dense sagebrush.
- 37.00 Sagebrush becomes more scattering; enter medium growth of timber, bearing NE. and SW., at the base of abrupt ascent, bearing NW. and SE.
- 38.38 Point of triangulation.
- 40.10 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd.
- S 2 | S 1
1820
- from which

Subdivision of T. 17 S., R. 17 E.

Chains.

A cedar 6 ins. diam., bears S. $71^{\circ} 15'$ E. 58 lks.
dist!, mkd. $\frac{1}{4}$ S 1 B T

A cedar 10 ins. diam., bears S. $88^{\circ} 30'$ W. 46 lks.
dist., mkd. $\frac{1}{4}$ S 2 B T

From the ~~base~~ cor. I offset west 42.10 chs. Then
Thence S. $10^{\circ} 02'$ E. 40.00 chs.

Thence. East 43.10 chs. to true point for cor.of Secs.
1, 2, 11 and 12.

Approximate topography on south half-mile as follows:

Precipitous ascent of about 850 ft. over rough NE. slope
from the $\frac{1}{4}$ sec. cor., with continuous measurement,

60.00 Rugged ridge bears NW. and SE.; descend abruptly about
290 ft. to

80.10 The true point for cor.of secs.1, 2, 11, and 12.

Land abrupt and rough sides of Florence Creek and Pine
canyons.

Soil, very shallow red sand on the greater portion of
mile; and a sandy and dark loam, several ft. deep in
the bottom of Florence Creek Canyon.

Timber, scattering to medium growth of cedar; scattering
fir S. half-mile. Scattered growth of cottonwood along
Florence Creek.

Undergrowth, scattering mountain rush, service-berry,
oak brush, and sagebrush; dense sagebrush in bottom of
canyon. Scattering growth of bunch grass.

General drainage W. Sandstone formation.

From the true point for cor.of secs.2,3,10, and 11,
N. $0^{\circ} 02'$ W. on a random line bet. Secs.2 and 3, W. Set
temp. $\frac{1}{4}$ sec. cor.

40.00
44.00 To base of impassable ledge, bearing N. 80° E. and S. 80° W.
I return to the temp. $\frac{1}{4}$ sec. cor. and offset as follows:
West 30.00 chs.; then on an offset line
N. $0^{\circ} 02'$ W. 40.21 chs. to the N. bdy. of the Tp., then
offset east 29.02 chs. to the witness corner of Secs. 2

Subdivision of T. 17 S., R. 17 E.

- Chains. 3, 34, and 35, heretofore described, 1.00 ch. W. of true corner point. Or at
- 30.21 Intersect the N. bdy. of the Tp., 2 lks. W. of the true point for cor. of secs. 2, 3, 34, and 35.
Thence west on offset line from true point for cor. of secs. 2, 3, 34, and 35 30.02 chs.
Thence S. $0^{\circ} 01'$ E. on offset 40.21 chs.
Thence East 30.00 chs. to point of offset.
Approximate topography on north half-mile; distances counted from true point for cor. of secs. 2, 3, 34, and 35
S. $0^{\circ} 01'$ E. on true line bet. secs. 2 and 3,
Over level bottom of wash.
- 30.30 S. bank of wash, 5 ft. high, bears N. 70° E. and S. 70° W.; precipitous ascent of about 300 ft., over boulders, broken and vertical ledges on NW. slope; through scattering timber and undergrowth.
- 30.40 Rugged ridge NE. and SW.; descend abruptly over nearly vertical ledge, about 350 ft. high, bearing N. 30° E. and S. 80° W.
- 30.50 Base of ledge; descend abruptly over large boulders and outcroppings.
- 40.21 Point of offset.
Set an iron post 3 ft. long; 1 in. in diam., 20 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap marked
- S 3 | S 2
1920
- from which
- A cedar 6 ins. diam. bears N. $62^{\circ} 45'$ E. 18 lks.
dist., mka. $\frac{1}{2}$ S 2 B T
- A cedar, 4 ins. diam., bears N. 76° W. 43 lks.
dist., mka. $\frac{1}{2}$ S 3 B T
- This cor. stands on S. slope, 70 ft. below base of ledge.
- 51.80 Leave timber and boulders; enter dense sagebrush, bears E. and W., at base of abrupt descent, 280 ft. below

Subdivision of T. 17 S. R. 17 E.

Chains.	1 sec. cor., bearing E. and W.; descend gradually 100 ft.
55.70	Road, bears E. and W.
57.30	Creek of good clear water, 6 lks.wide, 8 ins.deep, in wash, 40 lks.wide, 5 ft.deep, in the bottom of Florence Creek Canyon, course N.; ascend gradually 45 ft.
64.00	Leave dense sagebrush, bearing E. and W.; enter scattering timber and undergrowth, at the base of abrupt ascent bearing E. and W.
75.30	Vertical ledge, 100 ft. high, bears E. and W.
78.56	The witness cor.of secs.2, 3, 10, and 11.
83.21	True point for cor.of secs.2,3,10 and 11, 545 ft. above base of abrupt ascent.
	Land, steep and rough sides of Florence Creek Canyon, and a fork of Green River Canyon.
	Soil, very shallow red sand on the sides of canyons, and a sandy, dark loam, several ft. deep in the bottom of Florence Creek Canyon.
	Timber, scattering to medium growth of cedar and a few fir. Cottonwood scattered along Florence Creek.
	Undergrowth, scattering mountain rush, sagebrush, service-berry, and oak brush; dense sagebrush in the bottom of Florence Creek Canyon.
	Sandstone formation. Good grazing. General drainage W.

	From true point for cor.of secs.2,4,9, and 10, in dry river bed,
	N. $85^{\circ} 57'$ E. on a random line bet. secs.3 and 10,
.4.59	The left bank of Green River. Set temp. meander cor.
40.00	Set temp. 1 sec.cor.
.48.50	To base of impassable ledge, bearing NW. and SE.
	I return to 40.39 chs. point on random line and offset as follows:
	N. $0^{\circ} 01'$ E. 31.97 chs.; then on an offset line
	N. $85^{\circ} 57'$ E. 39.68 chs. to intersection with true line

Subdivision of T. 17 S., R. 17 E.

Chains.

bet. secs. 2 and 3; then offset S. $0^{\circ} 01'$ E. 32.16 chs. to

79.98 The true point for cor. of secs. 2, 3, 10, and 11; 33.16 chs. minus 31.97 chs. gives a falling of 18 lks.N. for the random line between Secs. 3 and 10.

From true point for cor. of secs. 2, 3, 10 and 11, N. $0^{\circ} 01'$ W. between Secs. 3 and 5, 32.16 chs., point of offset line between secs. 3 and 3,

Thence N. $89^{\circ} 55'$ W. on true offset line 39.68 chs.

Thence S. $0^{\circ} 01'$ E. on offset line 33.16 chs. to point for offset on true line.

Approximate topography on true line as follows:

N. $89^{\circ} 55'$ W. on true line bet. secs. 3 and 10 from true point for cor. of secs. 2, 3, 10, and 11,

Ascend abruptly about 250 ft. over broken, vertical ledges, 20 to 50 ft. high, bearing NW. and SE.

25.00 Barren sandstone ridge bearing NW. and SE. Desc. 60 ft. to

31.50 Top of bluff, 325 ft. high, bears NW. and SE. Descend abruptly over boulders and outcroppings from base of bluff.

39.68 Point of offset

39.99 On a rugged SW. slope, 90 ft. below base of bluff, Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock, in a mound of stone for sec. cor., with brass cap mkd.

S-3

S 10

1920

and raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.

54.00 Base of abrupt descent, 250 ft. below sec. cor., bears N. and S.; descend gradually 195 ft.

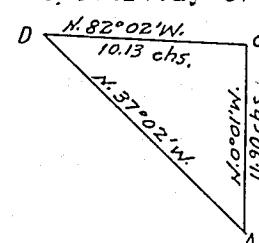
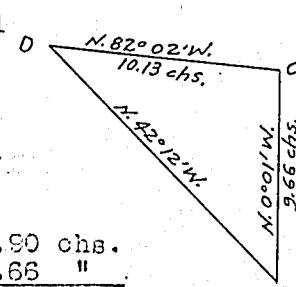
56.60 Vertical ledge, 15 ft. high, bears SW. and N. 3.00 chs.; thence W.

62.90 Vertical ledge, 40 ft. high, bears NW. and SE.

64.00 Base of gradual descent bears N. and S.; over nearly level bottom of Green River Canyon; through dense

Subdivision of T. 17 S., R. 17 E.

Chains.	sagebrush and greasewood.
72.00	Dry wash 50 lks. wide, 6 ft. deep, course N. 80° W.
75.39.	The left bank of Green River, bearing NE. and SW. Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in the ground to solid rock and surrounded by a mound of stone for meander cor. of fractional secs. 3 and 10 with brass cap mkd.
	$\begin{array}{c} \text{T17S} \\ \text{MC} / \text{S5} \\ \text{S10} \\ \text{R17E} \\ \hline 1920 \end{array}$
	from which
	A cottonwood 10 ins. diam. bears N. $43^{\circ} 45'$ W. 26 lks. dist. mkd. T 17 S R 17 E S 3 M C B T
	A cottonwood 16 ins. diam. bears S. 83° W. 42 lks. dist., mkd. T 17 S R 17 E S 10 M C B T
79.98	The true point for cor. of secs. 3, 4, 9, and 10. Land, rough and abrupt S. side of Florence Creek Canyon and E. side of Green River Canyon. Soil, very scant on greater portion of mile; mostly rock exposed in form of boulders, ledges, and slide-rock. Sandy loam, several feet deep in bottom of Green River Canyon. Timber, scattering growth of cedar west half-mile. Scat- tered cottonwood along banks of Green River. Undergrowth, scattering mountain rush, sagebrush and service-berry bushes west half-mile; dense sagebrush and greasewood in bottom of Green River Canyon. Fair growth of bunch grass, west half-mile. Sandstone formation. General drainage west.
	From true point for cor. of secs. 3, 4, 9, and 10 in dry river bed.
12.40	N. $0^{\circ} 01'$ W. on a random line bet. secs. 3 and 4, Left bank of Green River; set temp. meander cor.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

- Chains.
50.79 Set flag "A" for triangulation, hereinafter described.
- 51.80 Precipitous descent makes it impossible to continue.
 Chaining to high water mark on left bank of Green River; therefore I make two triangulations to determine the distances to the points for temp. meander corr. on both banks of river. Set a flag "B" on line at point for temp. meander corr. on left bank, a flag "C" on line at high water mark on right bank, and also a flag "D" in the level bottom of canyon, on right bank. From point "A" at 50.79 chs., flag "D" bears N. $37^{\circ} 02'$ W.; the base CD bears N. $82^{\circ} 02'$ W. 10.13 chs.; and by separate measurement of each angle by deflection with three repetitions with an error of $60''$ balanced to 180° , they are found respectively $37^{\circ} 01'$, $87^{\circ} 59'$, and $45^{\circ} 00'$
- 
- Dist. by triangulation from point "A"
 at 50.79 chs. to point "C" on right bank = 11.90 chs.
- I use the same base CD in the second triangulation; and from point "B", flag "D" at the west end of base line bears N. $43^{\circ} 12'$ W. From point "D" flag "B" bears S. $42^{\circ} 12'$ E., and by separate measurement of each angle by deflection with three repetitions with an error of $0''$, they are found respectively $42^{\circ} 11'$, $87^{\circ} 59'$ and $39^{\circ} 50'$; their sum being equal to $180^{\circ} 00'$
- 
- Dist. by triangulation from flag "B"
 to flag "C" = 9.66 chs.
- Dist. from point "A" to point "C" = 11.90 chs.
 Dist. from point "B" to point "C" = 9.66 "
 Dist. from point "A" to point "B" = 2.34 "
- Dist. on random line = 50.79 chs.
 Dist. from point "A" to point "B" = 2.34 "
 55.03 " or at
- 53.03 The left bank of Green River; set temp. meander corr.
 Dist. on random line to point "B" = 53.03 chs.
 Dist. from point "B" to point "C" = 9.66 "
 Dist. on random line to point "C" = 62.69 "
 Measurement N. from point "C" = 0.01 "
 62.70 " or at

Subdivision of T. 17 S., R. 17 E.

- Chains. The right bank of Green River; set temp. meander cor.
- 62.70 Intersect N.bdy. of Tp. 14 lks.E. of cor.of secs.3,4,33,
and 34, heretofore described. Thence
S.0° 07' E. on a true line bet. Secs.3 and 4,
Descend rocky SW.slope,100 ft.; through scattering tim-
ber and undergrowth.
- 80.20
- 6.00 Enter dense sagebrush and greasewood, bears NW. and SE.
at base of descent, bearing NW. and SE., over nearly
level bottom of canyon.
- 17.50 Right bank of Green River, bears N. 60° E. and SW.
Set an iron post 3 ft.long 1'in.in diam., 27 ins.in the
ground for meander cor.of fractional secs.3 and 4, with
brass cap mkd.

T17S R17E
S 4 | S 3
MC
1930

from which

A cottonwood 10 ins.diam., bears S. 46° 30' E.60
lks.dist., mkd.T 17 S R 17 E S 3 M C B T

A cottonwood 8 ins.diam., bears S. 26° W. 177 lks.
dist., mkd. T 17 S R 17 E S 4 M C B T

- 27.17 Left bank of Green River, bears N..80° E. and S.80° W.
Set an iron post 3 ft.long,1'in.in diam., 27 ins.in the
ground for meander cor.of fractional secs.3 and 4,
with brass cap mkd.

MC
S' 4" | S 3
T17S R17E
1930

raise a mound of stone 2 ft.base,1½ ft.high S.of cor.
From this meander cor. ascend abruptly 70. ft.over large
boulders and outcroppings.

- 28.40 Rim-rock, 10 ft.high, bears E. and W., at the top of
abrupt ascent, bearing E. and W. Ascend gradually.
- 29.41 Triangulation point "A" on top of spur, projecting west
about 2.00 chs.; descend gradually 10 ft.

Subdivision of T. 17 S., R. 17 E.

- Chains
31.60 Rim-rock, 30 ft. high, bears NW. and SE.; descend abruptly 50 ft., over large boulders and outcroppings.
34.60 Leave boulders and outcroppings at base of abrupt descent bearing E. and W.; over nearly level bottom of canyon.
38.40 Creek of good clear water, 6 lks.wide, 8 ins.deep, in wash, 1.50 chs.wide, 6 ft.deep, in bottom of Florence Creek Canyon, course W.
40.20 In level bottom of canyon,
Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in the ground for $\frac{1}{4}$ sec.cor., with brass cap mkd.

S 4 | S 3
1920
- raise a mound of stone, 3 ft.base, 1 $\frac{1}{2}$ ft.high W.of cor.
40.30 Main traveled trail in bottom of Florence Creek Canyon, bears N. 70° E., and S. 70° W.
41.50 Leave bottom of canyon; ascend abruptly 80 ft., over large boulders and outcroppings.
43.20 Spur projects NW., about 20.00 chs.; descend abruptly 85 ft. over large boulders and broken ledges.
46.40 Leave boulders and ledges at base of abrupt descent, bearing NW. and SE.; over gently rolling bottom of Green River Canyon; through dense sagebrush, greasewood, and scattering cedar.
55.20 Main traveled trail in bottom of Green River Canyon, bears NW. and SE.
67.80 Left bank of Green River, bears N. 60° W. and S. 60° E.
Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in the ground, for meander cor. of fractional secs.3 and 4, with brass cap mkd.

T17S R17E

S 4 S 3

MC

1920

from which

A cottonwood 8 ins.diam., bears S. 46° E. 512 lks.dist., mkd. T 17 S R 17 E S 3 MC BT

Subdivision of T. 17 S., R. 17 E.

Chains.

50.30

A cottonwood, 16 ins.diam., bears N. $66^{\circ} 45' W.$
445 lks.dist., mkd. T 17 S R 17 E S 4 MC BT
True point for cor.of secs. 1, 4, 8, and 10 in dry river bed.
Land, rough spurs and gently rolling and level bottoms
of Florence Creek and Green River canyons. Drainage
west into Green River. Red and brown sandstone forma-
tion.
Soil, shallow and rocky red sand on spurs; sandy loam,
several feet deep in bottoms of canyons.
Timber, scattering cedar; cottonwood scattered along
the banks of Green River and Florence Creek.
Undergrowth, sagebrush, greasewood and shadscale.
Scattered growth of bunch grass.

From the cor.of secs. 4, 5, 32, and 33 on S. bdy.of T.,
heretofore described,

N. $0^{\circ} 05' W.$ bet. Secs. 32 and 33,

Over rough mountainous land; through scattering timber
and undergrowth; descend 5 ft.

0.20

Ravine, course NW.; ascend 20 ft.

1.70

Spur, projects W. about 5.00 chs.; descend 195 ft.

21.70

Ravine, course E.; ascend 150 ft. to $\frac{1}{4}$ sec.cor.

36.70

Vertical ledge, 15 ft. high, bears E. and W.

28.20

Vertical ledge, 20 ft. high, bears E. and W.

40.00

On rough S. slope,

Set an iron post, 3 ft.long, 1 in.in diam., 16 ins.in
the ground; to solid rock and surrounded by mound of
stone for $\frac{1}{4}$ sec.cor., with brass cap mkd.

S 33 | S 33
1920

from which

A pinon pine, 10 ins.diam., bears N. $53^{\circ} 15' E.$
87 lks.dist., mkd. $\frac{1}{4}$ S 33 B T

A cedar 6 ins.diam., bears S. $56^{\circ} 45' W.$ 54 lks.
dist., mkd. $\frac{1}{4}$ S 32 B T

Subdivision of T. 17 S., R. 17 E.

Chains
41.50 Ridge, 40 ft. above $\frac{1}{4}$ sec.cor. bears E. and W. Desc. 495 ft.
66.50 Vertical ledge, 10 ft. high, bears E. and W.; enter medium growth of timber, bearing E. and W.
76.70 Spring Wash Canyon, course W.; ascend 30 ft. to
80.00 On S. slope,
Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground, to solid rock, and surrounded by a mound of stone for cor. of secs. 28, 29, 32, and 33, with brass cap mkd.

T 17 S R 17 E
S29 | S28
S32 | S33
1920

from which

A cedar, 8 ins. diam., bears N. 85° E. 188 lks. dist., mkd. T 17 S R 17 E S 28 B T

A cedar, 8 ins. diam., bears S. $19^\circ 45'$ E. 91 lks. dist., mkd. T 17 S R 17 E S 33 B T

A cedar, 6 ins. diam., bears S. $62^\circ 30'$ W. 110 lks. dist., mkd. T 17 S R 17 E S 32 B T

A cedar, 10 ins. diam., bears N. 7° W. 180 lks. dist., mkd. T 17 S R 17 E S 29 B T

Land, steep and rough mountains with large boulders and outcroppings. Formation, sandstone and limestone, the latter predominating south half-mile. Drainage west.

Timber, cedar and pinon pine.

Undergrowth, yellow top, shadscale and mountain rush, dense on tops of spurs and ridges. Good growth of bunch grass.

East on a random line bet. secs. 28 and 33,

40.00 Set temp. $\frac{1}{4}$ sec.cor.
80.04 Intersect N. and S. line 15 lks. N. of cor. of secs. 27, 28, 33, and 34. Thence

N. $89^\circ 54'$ W. on a true line bet. secs. 28 and 33, Over rough, mountainous land; through scattering timber and undergrowth; descend 20 ft. over large boulders and outcroppings from head of draw, draining W.

Subdivision of T. 17 S., R. 17 E.

Chains	
1.00	Leave draw, course S. 80° W.; ascend gradually 10 ft.
3.50	Top of ascent, bearing N. and S.; descend 550 ft.
2.60	Vertical ledge, 30 ft. high, bearing NW. and SE.
12.20	Enter medium growth of timber, bearing N. and S. at base of abrupt descent, bearing N. and S.
25.60	Leave medium growth of timber, bearing N. 30° E. and S. 60° W. at top of vertical ledge, 20 ft. high, bearing N. 30° E. and S. 30° W.
33.00	Enter scattering timber, bears N. and S.
34.10	Draw, course N.; ascend 15 ft.
37.60	Spur, projects N. about 6.00 chs.; descend 90 ft. to
40.02	On rough west slope,
	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to solid rock and surrounded by a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	S. 28 1/4
	S. 33 1920
	from which
	A cedar, 6 ins. diam., bears N. 60° W. 73 lbs. dist., mkd. $\frac{1}{4}$ S 28 B T
	A cedar 6 ins. diam., bears S. $79^{\circ} 30'$ E. 83 lbs. dist., mkd. $\frac{1}{4}$ S 33 B T
47.60	Spring Wash Canyon, 100 ft. below $\frac{1}{4}$ sec. cor., course S. about 2.00 chs. dist., thence SW; asc. 120 ft.
57.30	Spur, projects SW. about 12.00 chs. Descend 175 ft. to section corner.
71.90	Vertical ledge, 20 ft. high, bears NW. and SE.
80.04	The cor. of secs. 28, 33, 32, and 63.
	Land, steep and rough sides of Spring Wash Canyon. Soil, shallow and rocky red sand, lying on a blue or brown clay subsoil about 1 ft. deep to bed-rock. Timber, cedar and pinon pine.
	Undergrowth, scattering shadscale, yellow top and mountain rush.
	Western exposure E. 47.64 chs.; southern exposure west

Subdivision of T. 17 S., R. 17 E.

Chains.	32.40 chs. General drainage W. Scattering bunch grass. Formation; limestone and red and brown sandstone.
	N.0°03'W., bet. secs. 28 and 29. Ed. 32 ft.
	Asc. gradual S. slope 10 ft., through scattering timber and undergrowth.
1.80	Ascent becomes more abrupt over large boulders and outcroppings.
4.90	Vertical ledge, 50 ft. high, bears E. and W.
14.20	Top of broken ledge, 5 ft. high, bears E. and W.
15.20	Top of abrupt ascent, 365 ft. above base of ascent, bears E. and W.; over nearly level top of ridge, bearing E. and W.
18.60	Enter a medium growth of timber, bears E. and W., at the top of descent, bearing NE. and SW.
19.90	Ravine, 50 ft. below top of ridge, course NE.; asc. 15 ft.
24.30	Spur, projects NE. about 6.00 chs. dist.; desc. 65 ft.
28.60	Ravine, course NE.; asc. 30 ft.
32.20	Spur, projects NE. about 3.00 chs. dist.; desc. 125 ft.
39.70	Ravine, course NW.; asc. 10 ft., to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 29 S 28
	1920 from which,
	A cedar, 6 ins. diam., bears S.52°E., 30 lks. dist., mkd. $\frac{1}{4}$ S 28 B T.
	A cedar limb, 4 ins. diam., bears S.30°30'W., 64 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.
52.30	Leave medium growth of timber, bears NW. and SE., and Top of ascent, 125 ft. above $\frac{1}{4}$ sec. cor., bears NW. and
52.50	SE.; over level top of ridge, bearing E. and W.
59.90	Leave top of ridge; desc. abruptly 265 ft. over N. slope

Subdivision of T. 17 S., R. 17 E.

Chains.	
71.50	Ravine, course W. about 12.00 chs. dist., thence NW.; asc. 85 ft.
77.60	Spur, projects W. approximately 10.00 chs. dist.; desc. 40 ft. to
80.00	On a N. slope, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 20, 21, 28 and 29, with brass cap mkd:
	T17S | R17E S20 | S21 S29 | S28 1920 from which,
	A cedar, 6 ins. diam., bears N. $89^{\circ}15' E.$, 252 lks. dist., mkd. T 17 S R 17 E S 21 B T.
	A cedar limb, 4 ins. diam., bears S. $72^{\circ}15' E.$, 163 lks. dist., mkd. T 17 S R 17 E S 28 B T.
	A cedar limb, 6 ins. diam., bears S. $9^{\circ}30' W.$, 97 lks. dist., mkd. T 17 S R 17 E S 29 B T.
	A cedar limb, 6 ins. diam., bears N. $57^{\circ}15' W.$, 137 lks. dist., mkd. T 17 S R 17 E S 20 B T.
	Land; steep and rough mountains with general drainage W. Soil; rocky red sand about 8 ins. deep, lying on about 1 ft. of a blue or a brown clay subsoil.
	Timber; cedar and pinon pine.
	Undergrowth; scattering to a dense growth of shadscale, mountain rush and yellow top.
	Formation; sandstone and limestone, the latter predominating.
	Excellent growth of bunch grass on the slopes.
40.00	S. $89^{\circ}54' E.$, on a random line bet. secs. 21 and 28. Set temp. $\frac{1}{2}$ sec. cor.
58.50	To base of impassable ledges, bears NW. and SE.; therefore I return to the 46.50 ch. point and offset as follows:
	N. $0^{\circ}02' W.$ 20.00 chs.; then on an offset line:
	S. $89^{\circ}54' E.$ 33.44 chs. to true line bet. secs. 21 and

Subdivision of T. 17 S., R. 17 E.

- Chains. and 22; then offset S. $0^{\circ} 02'$ E. 20.17 chs. to the cor. of secs. 21, 22, 27, and 28; or at
- 79.94 Intersect N. and S. line 17 lks. N. of the cor. of Secs. 21, 22, 27, and 28.
Thence N. $0^{\circ} 02'$ W. bet. secs. 21 and 22 20.34 chs. to point of intersection of offset line.
Thence N. $88^{\circ} 47'$ W. on offset line 33.44 chs. 21
- Thence S. $0^{\circ} 02'$ E. 20.34 chs. to true line.
Approximate topography on true line bet. secs. 21 and 22
counting distances from cor. of secs. 21, 22, 27 and 28:
Ascend abruptly 100 ft. over large boulders and out-
croppings; through scattering timber and undergrowth,
along NE. slope.
- 15.00 Base of cap of ledges and cliffs about 350 ft. high,
bears NW. and SE., on top of spur projecting NW.;
descend abruptly 400 ft. to
- 31.40 Base of ledges and cliffs, bearing NW. and SE.; pre-
cipitous descent of 585 ft. to $\frac{1}{4}$ sec. cor., over
large boulders and outcroppings.
- 33.44 Point of offset.
- 33.97 On a rough SW. slope,
Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
the ground to solid rock and surrounded by a mound
of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd.
- S 31
1
- S 28
1920
- from which
- A cedar 6 ins. diam., bears N. $13^{\circ} 30'$ W. 181
lks. dist., mkd. $\frac{1}{4}$ S 21 B T
- A cedar limb, 4 ins. diam., bears S. $64^{\circ} 45'$ W.
110 lks. dist., mkd. $\frac{1}{4}$ S 28 B T
- 41.30 Leave boulders and outcroppings at the base of abrupt
descent, bearing NW. and SE., 55 ft. below $\frac{1}{4}$ sec. cor.
over level bench.

Subdivision of T. 17 S., R. 17 E.

Chains
47.00 Vertical ledge, 15 ft. high, bears NW. and SE. Descend 145 ft. over large boulders and outcroppings.
52.70 Leave boulders and outcroppings at base of abrupt descent; over nearly level bench.
71.00 Leave bench, bearing NW. and SW.; descend 95 ft. along NW. slope.
79.94 The cor. of secs. 20, 21, 28, and 29.
Land, steep and rough mountains; narrow level benches west half-mile. Eastern exposure E. 18.00 chs.; remainder of mile exposed to the west. Drainage NW.
Soil, shallow and rocky red sand, lying on a blue or brown clay subsoil about 1 ft. deep to bed-rock.
Timber, scattering cedar. Undergrowth, scattering mountain rush, shadscale and yellow top; dense shadscale on benches. Scattering growth of bunch grass.
Formation sandstone E. 60.00 chs. Limestone west 20.00 chs.

N. 0° 03' W. bet. Secs. 20 and 21,

Descend over N. slope; through scattering timber and undergrowth,

3.00 Draw, 75 ft. below sec.cor. course W. Ascend 115 ft.
5.10 Spur, projects W. about 3.00 chs.; descend 435 ft.
16.30 Vertical ledge, 40 ft. high, bears NE. and SW.
38.70 Ravine, course SW? Ascend 15 ft. to
40.00 On SE. slope, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap mkd.

S20 ¹
 |
 S21
1930

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
42.60 Spur, 60 ft. above $\frac{1}{4}$ sec.cor., projects SW. about 8.00 chs. dist.; descend 65 ft. to
47.60 Feet of spur, bears NE. and SW.; over level bottom of Green River Canyon, through dense greasewood.

Subdivision of T. 17 S., R. 17 E.

- Chains. 48.50 Main traveled trail in bottom of Green River Canyon, bears NE. and SW.
- 51.30 The left bank of Green River, bears N. $40^{\circ} 45' E.$
Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for meander cor. of fractional secs. 30 and 31, with brass cap mkd.:
-
- from which
- 1. A cottonwood, 13 ins. diam., bears N. $1^{\circ} 45' E.$
 - . 165 lks. dist. mkd. T17S R17E S31 MC BT
 - 2. A cottonwood, 16 ins. diam., bears N. $47^{\circ} 15' W.$
 - . 125 lks. dist., mkd. T17S R17E S30 MC BT
- This cor. stands on the bank and at the mouth of a dry wash, 40 lks. wide, 6 ft. deep.
- The distance across the stream is less than 8.00 chs. for river is at its low water mark at this time of the year; therefore chaining is practicable.
- 66.97 The right bank of Green River bears NE. and SW.
Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for meander cor. of fractional secs. 30 and 31, with brass cap mkd.
-
- from which
- 1. A cottonwood 16 ins. diam., bears N. $62^{\circ} 45' E.$
 - . 146 lks. dist., mkd. T 17 S R 17 E S-31 MC B T
 - 2. A cottonwood, 20 ins. diam., bears S. $14^{\circ} 45' W.$
 - . 135 lks. dist., mkd. T 17 S R 17 E S-30 MC BT.
- Ascend 85 ft. over SE. slope; through scattering timber and undergrowth.
- 78.90 Stump, projects SE. about 6.00 chs.; descend 5 ft.

Subdivision of T. 17 S., R. 17 E.

Chains. 80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in the ground to solid rock and surrounded by a mound of stone for cor. of secs. 16, 17, 20, and 21, with brass cap mkd.
	T17S R17E S17 | S16 ---+--- S20 | S21 1920
	from which
	A cedar limb 6 ins. diam., bears S. 77° 15' W. 534 lks. dist., mkd. T17S R17E S20 BT
	A cedar, 12 ins. diam., bears N. 50° 45' W. 418 lks. dist., mkd. T17S R17E S17 BT No other suitable trees within limits. Raise a mound of stone 3 ft. base, $\frac{1}{2}$ ft. high W. of cor.
	Bank, rough NW. and SE. sides of Green River Canyon. Soil, shallow and rocky red sand, lying on a brown clay about 1 ft. deep to bed rock; sandy loam several ft. deep in the bottoms of Green River Canyon.
	Timber, scattering cedar and pinon pine; groves of cottonwood along banks of Green River. Undergrowth, scattering to dense yellow top and shadscale; dense greasewood in canyon bottom. Fair growth of bunch grass. Formation, limestone and red and brown sandstone.
11.80	S. 89° 47' E. on a random line bet. Secs. 16 and 21 Right bank of Green River. Set temp. meander cor. Chaining practicable, on account of several small islands and bars exposed, due to low water at this time of year.
26.81	Left bank of Green River. Set temp. meander cor.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.86	Intersect N. and S. line 12 lks. N. of the cor. of secs. 15, 16, 21, and 22. Thence N. 89° 42' W. on a true line bet. Secs. 16 and 21, Over level canyon bottom; through scattering timber and dense undergrowth.

Subdivision of T. 17 S., R. 17 E.

Chains.	
2.20	Leave bottom of canyon; asc. 50 ft. over rough NE. slope.
10.60	Ridge, bears NW. and SE.; desc. 45 ft.
14.80	Head of ravine, course S.80°W.; asc. 20 ft.
24.90	Spur, projects SW. about 3.00 chs. dist.; desc. 45 ft.
28.10	Draw, course SW.; asc. 20 ft. to
39.93	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:
	T 17 S 16 M C B T
	$\frac{1}{4}$
	S 21 M C B T
	1920
	from which,
	A cedar, 9.6 ins. diam., bears N.72°15'W., 115 lks. dist., mkd. $\frac{1}{4}$ S 16 B T. Located above ground on A cedar limb, 7.4 ins. diam., bears S.77°15'E., 114 lks. dist., mkd. $\frac{1}{4}$ S 21 B T.
48.00	Spur, 20 ft. above $\frac{1}{2}$ sec. cor., projects SW. about 6.00 chs. dist.; desc. abruptly 175 ft. over boulders and outcroppings to meander cor. J. J. G. 1920
53.00	Main traveled trail in the bottom of Green River Canyon, bears N. and S. 80°W. (meander cor.)
53.05	The left bank of Green River, bears N.10°E. and S.50°W. Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and surrounded by a mound of stone for meander cor. of fractional secs. 16 and 21, with brass cap mkd:
	T 17 S 16 M C B T
	S 16
	MC
	S 21
	R 17 E
	1920
	from which,
	A cottonwood limb, 7 ins. diam., bears N.6°45'W., 64 lks. dist., mkd. T 17 S 17 E S 16 M C B T.
	A cottonwood, 12 ins. diam., bears S.60°30'W., 169 lks. dist., mkd. T 17 S 17 E S 21 M C B T.
68.06	The right bank of Green River, bears N.5°E. and S.5°W. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in

Subdivision of T. 17 S., R. 17 E.

Chains.

the ground for meander cor. of fractional secs. 16 and
21, with brass cap mkd:

T17S
SL6
S21
MC
R17E

1920

from which,

A cedar limb, 10 ins. diam., bears N.86°15'W., 240 lks.
dist., mkd. T 17 S R 17 E S 16 M C B T.

A cedar, 10 ins. diam., bears S.39°W., 217 lks.
dist., mkd. T 17 S R 17 E S 21 M C B T.

Over nearly level land, through scattering timber and
undergrowth, from this meander cor.

- 76.00 Dry wash, 150 lks. wide, 3 ft. deep, coarse SE.
- 77.10 Leave level bottom of canyon; asc. 80 ft., over NE. slope ^{to}
- 79.86 The cdr. of secs. 16, 17, 20 and 21. ^{Half mile} ~~on~~
Land; rolling and rough mountainous ^{hill}.
Soil; rocky and shallow red sand, lying on a brown clay
subsoil about 10 to 15 ins. deep to bed-rock; sandy
loam several ft. deep in the bottoms of Green River
Canyon. ^{On hillside} ~~on hillside~~ ^{on hillside} ~~on hillside~~ ^{on hillside} ~~on hillside~~
Timber; scattering cedar; groves of cottonwood along the
banks of Green River.
- Undergrowth; medium growth of shadscale, yellow top and
mountain rush; dense willows and squaw bushes along
the banks of Green River.
- Drainage SW., E. 53.03 chs.; W. 11.80 chs. drains SE.
- Formation; sandstone and limestone, the latter predomi-
nating E. $\frac{1}{2}$ mile. Fair grazing.

N.0°03'W., bet. secs. 16 and 17.

Desc. abrupt NE. slope 75 ft., through scattering timber
and undergrowth.

- 1.50 Foot of spur, bears NW. and SE.; over nearly level bot-
tom of canyon.
- 2.50 Dry wash, 60 lks. wide, 4 ft. deep, at the mouth of can-

Subdivision of T. 17 S., R. 17 E.

Chains.	Yerma R. open at old wash, bears N. 10° E. on yon, course SE.
10.00	Leave bottom of canyon; asc. SE. slope 65 ft.
11.50	Vertical ledge, 40 ft. high, bears NE. and SW.
12.00	Spur, projects N. 70° E. about 5.00 chs. dist.; desc. 75 ft.
19.60	Ravine, course E.; asc. 245 ft.
33.00	Spur, projects E. about 7.00 chs. dist.; desc. 75 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 17 S 16

from which,

A cedar, 10 ins. diam., bears N. 34° E., 134 lks.

dist., mkd. $\frac{1}{4}$ S 16 B T.

A cedar limb, 6 ins. diam., bears N. 86° 30' W., 31 lks.

dist., mkd. $\frac{1}{4}$ S 17 B T.

40.10 Ravine, heads 5.00 chs. W.; asc. 50 ft.

49.80 Spur, projects E. about 15.00 chs. dist.; desc. 35 ft.

55.60 Head of ravine, course E.; asc. 45 ft. to

58.30 Spur, projects E. approximately 10.00 chs. dist.; desc.

55 ft. dist., mkd. $\frac{1}{4}$ S 17 B T.

61.20 Ravine, course E.; asc. abruptly 110 ft. over large

boulders and outcroppings.

75.70 Ridge, bears NE. and SW.; desc. abruptly 70 ft. over

large boulders and broken ledges to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in
the ground to solid rock and surrounded by a mound of

stone for cor. of secs. 8, 9, 16 and 17, with brass cap

mkd:

T17S R17E

S8 S9

S17 S16

1920

from which,

A cedar limb, 6 ins. diam., bears N. 18° 15' E., 31 lks.

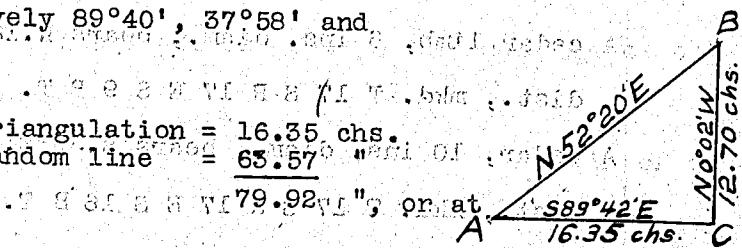
dist., mkd. T 17 S R 17 E S 9 B T.

A cedar, 10 ins. diam., bears S. 39° E., 135 lks.

dist., mkd. T 17 S R 17 E S 16 B T.

Subdivision of T. 17 S., R. 17 E.

Chains.	<p>There being no trees available in secs. 8 and 17, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land; rolling and rough mountainous with an eastern exposure and drainage.</p> <p>Soil; rocky red sand, 6 ins. to 3 ft. deep, lying on a brown clay subsoil about 1 ft. deep, or on bed-rock.</p> <p>Timber; scattering cedar.</p> <p>Undergrowth; scattering shadscale, yellow top and mountain rush.</p> <p>Formation; limestone, and red and brown sandstone.</p> <p>Scattering growth of bunch grass.</p>
40.00	S. $89^{\circ}42'E.$, on a random line bet: secs. 9 and 16.
75.62	<p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>To the right bank of Green River; set temp. meander cor. This line falls 12.3 lks. S. of the temp. point which is set on the left bank; 1:14 chs. N. $89^{\circ}57'E.$ of the true point for cor. of secs. 9, 10, 15 and 16; or 11.6 lks. S. of the true cor. point in river.</p> <p>Owing to dense undergrowth and timber along the right bank, it is impossible to make a triangulation from the temp. meander cor.; therefore I return to the 63.57 ch. point and determine the dist. to the true point for cor. of secs. 9, 10, 15 and 16 as follows:</p> <p>From the 63.57 ch. point which I designate as point A, A flag B set 12 lks. S. $0^{\circ}02'E.$ from the meander cor. which is established N. $0^{\circ}02'W.$ 12.70 chs. dist. from the true point in river, bears N. $52^{\circ}20'E.$; from flag B, point A bears S. $52^{\circ}20'W.$, and by separate measurement of each angle by deflection with three repetitions with an error of $30''$ balanced to 180°, they are found respectively $89^{\circ}40'$, $37^{\circ}58'$ and $52^{\circ}22'$.</p> <p>Dist. by triangulation = 16.35 chs. Dist. on random line = 63.57</p>



Subdivision of T. 17 S., R. 17 E.

Chains.	
79.92	Intersect N. and S. line, 12 lks. S. of the true point for cor. of secs. 9, 10, 15 and 16, in river.
	Thence,
667	N.89°47'W., from a true line bet. secs. 9 and 16.
4.30	The right bank of Green River, bears N.30°E. and S.30°W. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for meander cor. of fractional secs. 9 and 16, with brass cap mkd:
	S 9 MC R17E
	From which,
	A cedar, 6 ins. diam., bears N.23°45'E., 174 lks.
	A cottonwood, 12 ins. diam., bears S.19°W., 198 lks.
10.30	Dry wash, 70 lks. wide, 3 ft. deep, at the mouth of can-
20.01	yon, course SE.
13.50	Leave dense undergrowth, bears NE. and SW., and enter scattering; leave bottom of canyon, asc. SE. slope 75 ft.
16.40	Spur, projects NE. about 3.00 chs. dist.; desc. 15 ft.
29.00	Head of draw, course NE.; asc. 25 ft. to
39.96	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 9 S 16
	From which,
	A cedar limb, 4 ins. diam., bears N.83°W., 95 lks.
	A cedar, 6 ins. diam., bears S.15°W., 54 lks.
	dist., mkd. $\frac{1}{4}$ S 16 B T.

Subdivision of T. 17 S., R. 17 E.

Chains.	
48.80	Rim-rock, 5 ft. high, bears N.80°W. and S.80°E.; along top of ridge, 25 ft. above $\frac{1}{2}$ sec. cor., bearing E. and W.
70.50	Leave top of ridge, bears N.80°W. and S.80°E.; asc. 155 ft. over large boulders, across the head of draw, draining SE.
74.00	Vertical ledge, 40 ft. high, bears NE. and SW.
76.70	Rugged ridge, bears NE. and SW.; desc. 40 ft. over large boulders and outcroppings to
79.92	The cor. of secs. 8, 9, 16 and 17. Land; rolling and rough mountains with general drainage E. Soil; rocky red sand 6 ins. to 3 ft. deep, lying on a brown clay subsoil or on bed-rock. Timber; scattering cedar; cottonwood groves along Green River. Undergrowth; scattering shadscale, yellow top and mountain rush; dense sagebrush and greasewood in the bottom of Green River Canyon; dense willows along banks of river. Formation; limestone, E. 70.00 chs., sandstone, W. 10.00 chs. Good growth of bunch grass.
	N.0°03'W., bet. secs. 8 and 9.
7.90	Desc. 155 ft. over large boulders and broken ledges along NW. slope, through scattering timber and undergrowth.
19.10	Dry wash, 30 lks. wide, 18 ins. deep, in the bottom of canyon, course E.; asc. abruptly 410 ft. over large boulders and broken ledges to $\frac{1}{2}$ sec. cor.
36.20	Vertical ledge, 20 ft. high, bears E. and W.
40.00	Top of broken ledge, 60 ft. high, bears NW. and SE.
	On a rough S. slope, set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

Subdivision of T. 17 S., R. 17 E.

Chains.

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

On June 1, 1920, took off the sec. cor. of secs. 8 and 9, from which,

A cedar limb, 5 ins. diam., bears S.25°E., 65 lks. dist., mkd. $\frac{1}{4}$ S 9 B.T.

A cedar limb, 4 ins. diam., bears S.65°45'W., 21 lks. do 55 lks. 9 ins. diam., bears N.25°E., 10 lks. dist., mkd. $\frac{1}{2}$ S 8 B.T.

From this $\frac{1}{4}$ sec. cor., the line crosses a rugged ridge

which is capped with impassable jagged cliffs, pinnacles and crags, some of which being as high as 300 ft.; therefore I give the approximate distances to topography on the N. half mile as follows:

43.00 Base of cap of cliffs, 80 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.

55.00 Rugged ridge, 425 ft. above base of cliffs, bears E. and W.; desc. 350 ft. to true point for cor. of secs. 4, 5, 8 and 9, on ledge.

From the $\frac{1}{4}$ cor. of secs. 8 and 9,

S.0°03'E. 20.35 chs. bet. secs. 8 and 9; then on a transverse line:

N.84°15'E. 39.00 chs.

N.33°15'E. 50.60 "

N.20°15'W. 45.10 " ; then offset W. 51.01 chs. to

true line; thence S.0°03'E. 27.96 chs., to the base of nearly vertical ledge, 50 ft. high, bearing N.85°W.

and S.85°E.; set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to solid rock and surrounded by a mound of stone for witness cor. of secs. 4, 5, 8 and 9, with brass cap mkd:

T17S R17E

S5 S4

S8 S9

WC

1920

from which, set a corner stone and chain and

Adfir, 10. ins. diam., bears N.59°30'E., 17 lks.

dist., mkd. T.17S R.17.E.S 4 W.C.B.T.

Subdivision of T. 17 S., R. 17 E.

Chains.	A fir, 10 ins. diam., bears N. $68^{\circ}30'W.$, 48 lks. dist., mkd. T 17 S R 17 E S 5 W C B T.
80.00	All trees in secs. 8 and 9 are inaccessible, owing to high ledges; therefore I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	S. $0^{\circ}03'E.$ 0.22 chs. from this cor. to The true point for cor. of secs. 4, 5, 8 and 9 falls on the ledge where it is impossible to set the iron post or mark a cross(X).
80.00	Timber; scattering scrubby cedar; few fir on rugged ridge.
80.00	Undergrowth; sparse growth of mountain rush and service- berry bushes. Scattering sagebrush in bottom of canyon.
80.00	Soil; very shallow red sand in places, but mostly rock exposed.
80.00	General drainage E. Scattering growth of bunch grass.
42.08	S. $89^{\circ}47'E.$, on a random line bet. secs. 4 and 9. The W. $\frac{1}{2}$ mile is impassable on account of the line pass- ing over high cliffs and pinnacles on the N. side of ridge; therefore I offset as follows: N. 28.33 chs. from the true point for cor. of secs. 4, 5, 8 and 9; then on an offset line: S. $89^{\circ}47'E.$ 50.98 chs.; thence S. $17^{\circ}18'W.$ 29.64 chs. to random line; thence N. $89^{\circ}47'W.$ 0.10 chs., and at Set temp. point for witness $\frac{1}{2}$ sec. cor.
71.97	Thence, S. $89^{\circ}47'E.$ on random line. To the right bank of Green River; set temp. meander cor. To determine the dist. across the river I designate the above temp. meander cor. as point A, and set a flag B on lime, 20 lks. S. of the true point for cor. of secs.

Subdivision of T. 17 S., R. 17 E.

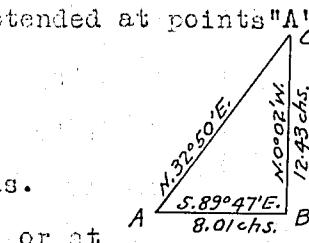
Chains.

3, 4, 9, and 10 in dry river bed; also a flag "C" on the left bank which from point "A" bears N. $32^{\circ} 50' E$. The base BC bears N. $0^{\circ} 08' W$. 12.43 chs. and all angles are checked by three repetitions with an error of $30''$ balanced to 180° . Angles subtended at points "A", "B" and "C" are respectively

$57^{\circ} 23'$, $32^{\circ} 52'$, and $89^{\circ} 45'$

Dist. by triangulation = 8.01 chs.

Dist. on random line = 71.97"



78.98 Intersect N. and S. line 3 lms. S. of true point for cor.

of secs. 3, 4, 9, and 10. Thence

N. $39^{\circ} 43' W$. on a true line bet. Secs. 4 and 9,

Over level dry river bed.

Edge of water.

2.50

8.01 Right bank of Green River, bears N. $30^{\circ} W$. and S. $30^{\circ} E$. Set an iron post, 3 ft. long, 1 in. in diam., 32 ins. in the ground to solid rock and surrounded by a mound of stone for meander cor. of fractional secs. 4 and 9, with brass cap marked

T17S
— S 4 | MC
— S 9 |
R17E
1920

and raise a mound of stone 3 ft. base, $1\frac{1}{2}$ ft. high S. of cor., on account of main traveled stock trail on the right bank of river bearing N. and S. just W. of cor.

Ascend nearly barren and abrupt NE. slope, 770 feet, over large boulders and outcroppings.

37.80

Point of offset, 100 ft. S. of cor. and 100 ft. E. of cor.

37.80

Set an iron post, 3 ft. long, 1 in. in diam., 37 ins. in the ground for witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 4
WC $\frac{1}{4}$ —
S 9
1920

raise a mound of stone 3 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

38.99

True point for $\frac{1}{4}$ sec. cor. cor. not set.

I return to point of offset at 37.80 chs.

Subdivision of T. 17 S., R. 17 E.

Chains	
	Thence N. $17^{\circ} 18'$ E. 28.63 chs. to point;
	Thence N. $38^{\circ} 48'$ E. 50.98 chs.
	Thence South 38.33 chs. to true point for cor.of secs. 4, 5, 8, and 9.
	Approximate topography on true line bet. Secs. 4 and 9, counting distances from point of offset at 37.80 chs.
38.00	Base of impassable cliffs bearing NW. and SE. Ascend ab- ruptly about 300 ft.
50.98	True point for 1 sec.cor. falls on cliff. Cor. not set.
60.00	Rugged spur, projects NE. Descend abruptly about 350 ft. over high cliffs and pinnacles.
70.08	True point for cor.of secs.4, 5, 8, and 9. Lands, steep rough sides of canyons. Impassable cliffs, ledges, pinnacles and crags west 42.00 chs. Red and brown sandstone formation. General drainage E. Soil shallow red sand in places; but mostly rock ex- posed on entire mile.
	Timber, few scattering scrub cedar and fir. Undergrowth sparse growth of mountain rush and service-berry.
	Sparse growth of grass east 38.00 chs.
	From true point for cor.of secs.4,5,8, and 9, N. $0^{\circ} 07'$ W. on a random line bet. secs. 4 and 5, Set temp. 1/2 Sec. Cor.
40.00	Base of impassable cliffs, bearing NW. and SE. I return to the temp. 1/2 sec. cor.
50.00	Thence S. $0^{\circ} 07'$ E. 11.67 chs.; then offset N. $30^{\circ} 42'$ E. 51.04 chs.; thence N. $41^{\circ} 23'$ W. 68.99 chs. to the witness cor.of secs.4,5,8, and 9, on N.bdy. of Tp. heretofore described. This corner is estab- lished 5.79 chs. E.of the true cor.point; therefore the random line falls 5.53 chs.W.of the witness cor.
60.00	Intersect N. bdy.of Tp. 17 lbs.E.of the true point for cor.of secs.4,5,8, and 9.

Subdivision of T. 17 S., R. 17 E.

Chains	From the witness cor. for cor. of secs. 4, 5, 32, and 33 I return on offset line S. 41° 23' E. 68.90 chs. Thence West 51.04 chs. to offset point. Thence N. 0° 14' W. 11.67 chs. to point for $\frac{1}{4}$ sec.cor. Approximate topography on true line bet. secs. 4 and 5, from true point for cor. of secs. 4, 5, 32, and 33. S. 0° 14' E. on true line bet. Secs. 4 and 5, Ascend about 80 ft. along abrupt and nearly barren E. side of spur, over series of high cliffs and ledges.
20.00	Rugged spur, projects SE., about 10.00 chs.; precipitous descent of about 275 ft.
30.00	Base of cap of cliffs and ledges, bearing NW. and SE. Descend abruptly 135 ft. along SW.slope; over large boulders and outcroppings; through scattering timber and undergrowth.
40.09	Set an iron post 3 ft.long, 1 in.in diam., 20 ins.in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd. S. 5 | S. 4 1920
	and raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$ ft.high W. of cor.. Continue through scattering timber and undergrowth.
42.70	Base of abrupt descent 45 ft.below $\frac{1}{4}$ sec.cor., bears E. and W.;over level canyon bottom;through dense sagebrush.
49.90	Dry wash 1.00 chs.wide, 3 ft.deep, in bottom of canyon, course E.
50.50	Leave dense sagebrush, bears E. and W. at base of abrupt ascent bearing N.80° W. and S.80° E.
51.76	Point of offset.
58.60	Vertical ledge 60 ft.high, bears E. and W.
61.30	Vertical ledge, 30 ft.high bears W. and S.60° E.
73.40	Spur,780 ft.above canyon bottom,projects N.10°W.Desc.
74.80	Head of draw, 15 ft. below spur, course N.10° W. Ascend abruptly 245 ft. to true cor..point.

Subdivision of T. 17 S., R. 17 E.

- Claims.
70.09 The witness cor.of secs.4,5,8, and 9.
70.08 True point for cor.of secs.4,5,8, and 9, on ledge.
Land, steep and rough side of canyon south 50.00 chs.;
impassable spur, covered with jagged cliffs and ledges
north 30.00 chs. Formation red and brown sandstone
General drainage West.
Soil, shallow and rocky red sand, lying on a shallow
brown clay or on bed-rock.
Timber, scattering scrub cedar and pinon pine; few fir
on south half-mile. Undergrowth, scattering mountain
rush and service-berry bushes south 50.00 chs.; dense
sagebrush in bottom of canyon. Scattering growth of
bunch grass on south 50.00 chs.

- From the cor.of secs.5,6,31 and 32 on S.bdy.of Tp.
herebefore described,
N. 6° 08' W. bet. Secs.31 and 32,
Descend abrupt NW. slope 60 ft. over sloping and broken
ledges, bearing NE. and SW.; through scattering tim-
ber and undergrowth.
1.10 Leave ledges at base of abrupt descent, bearing NE. and
SW.; descend gradually 45 ft. over bottom of canyon
through dense greenwood and yellow top.
2.50 Main traveled trail in bottom of Green River Canyon,
bears NW. and SW.
3.08 Left bank of Green River, bears N. 60° E. and S. 60° W.
Set an iron post 3 ft.long, 1 in.in diam., 27 ins.in
the ground for meander cor.of fractional secs.31 and
32, with brass cap md.

NO
S31 S32
T17S R17E
1920

The main channel of stream, 8 ft.base, 1½ ft.high S.of cor.
As it is now low water period of year, the distance
across the stream is less than 5.00 chs.; therefore

Subdivision of T. 17 S., R. 17 E.

Chains chaining is practicable.
10.49 Right bank of Green River, bears NE. and SW.
Set an iron post, 3 ft.long, 1 in.in diam., 6 ins.in
and mound of stones
the ground for meander cor.of fractional secs.31 and
32, with brass cap mkd.

T17S | R17E
S31 | S32
MC
1930

raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.
Ascend abruptly 25 ft. over large boulders and out-
croppings from meander cor. to

11.00 Foot of nearly vertical wall, 20 ft.high, bears NE. and
SW. on N.side of Green River Canyon. Ascend 210 ft.
along SE.slope; through medium growth of yellow top,
from the top of the wall.

26.50 Top of broken ledge 8 ft. high, bears E. and W.

27.50 Spur, projects E. about 35.00 chs.dist.; descend 65 ft.

38.40 Ravine, course E.; ascend 125 ft.

45.60 Top of broken ledge, 15 ft.high, bears E. and W.

36.80 Spur, projects E. approximate 30.00 chs.Desc.80 ft.

40.00 Set an iron post 3 ft.long, 1 in.in diam., 16 ins.in
the ground to solid rock and surrounded by a mound of
stone for $\frac{1}{4}$ sec.cor., with brass cap mkd.

S31 | S32
MC
1930

and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.

46.60 Stream of good clear water, 15 lks.wide, 3 ins.deep;
in wash, 2.00 chs.wide, 6 ft.deep, in bottom of Range
Creek Canyon, 185 ft.below $\frac{1}{4}$ sec.cor., course E.about
3.50 chs.; thence north; ascend 30 ft.

51.60 Spur, projects E. about 3.00 chs.; descend 30 ft.

53.00 Leave medium growth of yellow top, bears E. and W., at
base of spur, bearing E. and W.; over level bottom
of canyon, through patches of willows.

57.40 Right bank of Green River,bears N. 75° E. and S. 75° W.

Subdivision of T. 17 S., R. 17 E.

Chains

Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in the ground for meander cor.of fractional secs. 31 and 32, with brass cap mkd.

MC
S31 | S32
T17S | R17E
1920

from which

A cottonwood 10 ins.diam., bears S. $69^{\circ} 15' E.$

374 lks.dist., mkd.T17S R17E S32 MC BT

No other trees available, in sec.31, I raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high S.of cor.

Chaining is practicable across the river, on account of small islands and bars exposed,due to stream being at low water mark at this time of year.

68.44

Left bank of Green River, bears N. $60^{\circ} E.$ and S. $60^{\circ} W.$

Set an iron post, 3 ft.long, 1 in.in diam., 8 ins.in the ground to solid rock and surrounded by a mound of stone for meander cor.of fractional secs.31 and 32, with brass cap mkd.

T17S | R17E
S31 | S32
MC
1920

raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.

Ascend abrupt SW.slope, 295 ft., over large boulders and broken ledges; through scattering undergrowth.

73.00

Main traveled trail in bottom of Green River Canyon, bears E. and W.

80.00

Set an iron post, 3 ft.long, 2 ins.in diam., 12 ins.in the ground to solid rock and surrounded by a mound of stone for cor.of secs.29,30,31, and 32, with brass cap mkd.

T17S | R17E
S30 | S29
S31 | S32
1920

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.high W.of cor.

Subdivision of T. 17 S., R. 17 E.

Chains.	Land; rolling and rough mountains with sandstone boulders, broken ledges and outcroppings.
Soil.	Soil; rocky, red sand about 12 to 18 ins. deep, lying on a brown clay subsoil or on bed-rock; sandy loam several ft. deep in the river bottoms.
Timber.	Timber; a few scattering scrubby cedar; cottonwood scattered along Range Creek.
Undergrowth.	Undergrowth; scattering to a medium growth of mountain rush, shadscale and yellow top; dense willows and squaw bushes along the banks of Green River.
Fair growth of bunch grass; good growth of salt grass in river bottoms.	
40.00	East, on a random line bet. secs. 29 and 32.
Set temp. $\frac{1}{4}$ sec. cor.	
79.98	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 28, 29, 32 and 33.
Thence,	S. $89^{\circ}59'W.$, on a true line bet. secs. 29 and 32.
Desc. 65 ft. over gradual SW. slope, through scattering timber and undergrowth.	
2.30	Vertical, white sandstone ledge, 30 ft. high, bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$
8.90	Spring Wash Canyon, course NW.; asc. 15 ft.
12.20	Top of ascent, bears E. and W.; desc. 15 ft.
16.80	Spring Wash Canyon, course SW.; asc. 50 ft.
20.80	Spur, projects S. about 8.00 chs. dist.; desc. abruptly 160 ft. over large boulders and outcroppings.
21.20	Vertical ledge, 15 ft. high, bears N. and S.
25.60	Spring Wash Canyon, course N. about 5.00 chs. dist., thence SW.; asc. abruptly 65 ft.
27.50	Rugged spur, projects N. about 4.50 chs. dist.; desc. 110 ft.
31.80	Small stream of alkali water, in the bottom of Spring Wash Canyon, course SW.; asc. 15 ft. in all at 90.30.

Subdivision of T. 17 S., R. 17 E.

Chains.	
33.50	Spur, projects S. about 1.00 ch. dist.; desc. 10 ft.
34.80	Small stream of alkali water, in the bottom of Spring Wash Canyon, course NW.; asc. 150 ft. over large boulders and broken ledges to
39.99	On a rough N. slope, set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to solid rock, bet. two large boulders, and surrounded by a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S. 29 $\frac{1}{4}$
	S. 32 1920
	from which, bearing N. 80° 30' W., 59 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.
	A cedar, 8 ins. diam., bears S. 13° W., 75 lks. dist., mkd. $\frac{1}{4}$ S 32 B T.
	Continue ascent of 215 ft. over large boulders and broken ledges, from this $\frac{1}{4}$ sec. cor.
51.60	Top of broken ledge, 8 ft. high, bears NE. and SW.
71.50	Ridge, bears NW. and SE.; desc. 110 ft. over outcroppings to Ridge,
79.98	The cor. of secs. 29, 30, 31 and 32. Land; rough N. and S. sides of Spring Wash Canyon. Soil; rocky and shallow red sand, lying on a blue or a brown clay subsoil about 1 ft. deep, to bed-rock. Timber; scattering growth of cedar and pinon pine. Undergrowth; scattering to a medium growth of yellow top shadscale and mountain rush. Formation; sandstone and limestone. General drainage NW. Scattering growth of bunch grass.
	West, on a random line bet. secs. 30 and 31.
10.93	To the left bank of Green River; set temp. meander cor. I determine the distance across the river by using an eight chain tape, for the stream is at its low water mark at this time of the year. To meander line.
19.60	To the right bank of Green River; set temp. meander cor.

Subdivision of Twp. 17 S., R. 17 E.

- Chains used to hold iron to tree, when not driven into ground, and mdc
 40.00 Set temp. $\frac{1}{4}$ sec. cor. 15 ft. above ground level, to
 78.11 Intersect the W. bdy. of the Tp., 6 lks. N. of the cor.
 of secs. 25, 30, 31 and 36, which is an iron post, 3
 in. diam., extending 20 ins. above ground and firm-
 ly set in a mound of stone, correctly marked, and wit-
 nessed by four bearing trees, one in each sec.
 Thence, N. 89° 57' E., on a true line bet. secs. 30 and 31.
 Asc. 80 ft. over NW. slope, through a medium growth of
 timber and scattering undergrowth, desc. 180 ft.
 5.70 Top of broken ledge, 15 ft. high, bears NE. and SW.
 9.60 Spur, projects NE. about 8.00 chs. dist.; desc. 180 ft.
 20.10 Rugged ravine from the N., course SE.; asc. 130 ft.
 33.60 Spur, projects S. about 2.00 chs. dist.; desc. 35 ft.
 37.90 Draw, course S.; asc. 5 ft. to road. 1920
 38.11 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in
 the ground to solid rock and surrounded by a mound of
 stone for $\frac{1}{2}$ sec. cor., with brass cap mdkd:
 S 30 B T. and S 31 B T. 1920
 from which, a rough and difficult descent follows 30.00
 A pinon pine, 8 ins. diam., bears N. 21° 30' W., 79 lks.
 dist., mdkd. $\frac{1}{2}$ S 30 B T. 1920
 A pinon pine, 8 ins. diam., bears S 47° 30' E., 262 lks.
 dist., mdkd. $\frac{1}{2}$ S 31 B T. 1920
 47.80 Top of ascent, 25 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.;
 desc. 15 ft. stone 15, 30, 30. and 10.00 off 11.80
 48.40 Leave medium growth of timber, bears N. and S., and enter
 scattering, at the top of abrupt descent, bearing N.
 and S.; precipitous descent of 535 ft. on the W. side
 of Green River Canyon, over series of broken and verti-
 cal ledges, 20 to 40 ft. high, bearing N. and S., to
 meander cor.
 51.80 Vertical ledge, 20 ft. high, bears N. and S.
 58.51 The right bank of Green River, bears N. and S.
 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in

Subdivision of T. 17 S., R. 17 E.

- Chains. the ground for meander cor. of fractional secs. 30 and
 31, with brass cap mkd: S30 | MC
 T17S |
 S31 |
 R17E |
 1920 |
- As there are no trees within a reasonable distance suitable for marking, I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. There are no trees within a reasonable distance suitable for marking.
- 67.18 The left bank of Green River, bears N.30°W. and S.30°E. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for meander cor. of fractional secs. 30 and 31, with brass cap mkd: S30 | MC
 T17S |
 S31 |
 R17E |
 1920 |
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. There are no trees within a reasonable distance suitable for marking.
- Over level bottom land, through a dense growth of willows and squaw bushes, from meander cor.
- 68.70 Leave dense willows and squaw bushes, bears N. and S., and enter dense greasewood.
- 69.50 Main traveled trail in the bottom of Green River Canyon, bears N. and S. and enters a narrow defile.
- 69.80 Leave dense greasewood, bears N. and S., and bottom land asc. abrupt W. slope 310 ft., over large boulders and outcroppings, and through a scattering timber and undergrowth to .
- 78.11 The cor. of secs. 29, 30, 31 and 32. Land; steep and rough mountains of sandstone formation. Soil; very shallow red sand in places, but mostly rock exposed on the greater portion of mile; sandy and dark loam in the bottoms of Green River Canyon.
- Timber; cedar and pinon pine; a few young cottonwood on the bottom land.
- Undergrowth; scattering yellow top and mountain rush on the rough portions; dense willows, squaw bushes and greasewood in the bottom of Green River Canyon.

Subdivision of T. 17 S., R. 17 E.

Chains	Drainage E. and W. into Green River. Scattering growth of bunch grass; dense growth of salt grass on the bottom land.
	N.0°03'W., bet. secs. 29 and 30.
	Asc. 20 ft. over abrupt and rough SW. slope, through scattering timber and undergrowth.
0.90	Rim-rock, 10 ft. high, bears NW. and SE., on the N. side of Green River Canyon; asc. gradually 30 ft.
5.90	Rugged ridge; bears NW. and SE.; desc. 40 ft. to
11.00	Rim-rock, 80 ft. high, bears NE. and SW., on the S. side of Green River Canyon; desc. abruptly 330 ft. to
18.20	Base of abrupt descent, bears NE. and SW.; over nearly level bottom of Green River Canyon.
19.90	Main traveled trail in the bottom of Green River Canyon, bears NE. and SW.
26.30	The left bank of Green River; bears NE. and SW. T. 17 S. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
	the ground for meander cor. of fractional secs. 29 and 30, with brass cap mkd.: T 17 S R 17 E S 29 M C B T.
	from which, A cottonwood, 6 ins. diam., bears N.17°30'E., 120 lks. dist., mkd. T 17 S R 17 E S 29 M C B T.
	A cottonwood, 6 ins. diam., bears N.12°15'W., 93 lks. dist., mkd. T 17 S R 17 E S 30 M C B T.
	The line crosses the river where the stream is narrow owing to low water at this time of the year; therefore I measure the distance with a five chain tape.
36.70	The right bank of Green River, bears N.80°E. and S.80°W. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
	the ground for meander cor. of fractional secs. 29 and 30, with brass cap mkd.

Subdivision of T. 17 S., R. 17 E.

Chains.		T17S	R17E	Sec. 17
		S30	S29	
		MC		
		1920		
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,			
	N. of cor.			
	Asc., along rough W. side of Green River Canyon, through			
	scattering undergrowth, from this meander cor.			
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in			
	a crevice of a broken ledge and surrounded by a mound			
	of stone, for $\frac{1}{2}$ sec. cor., with brass cap mkd:			
	40.00			
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,			
	S. of cor. for sec. cor. add at 1920 sec. 29 and 30.			
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,			
	W. of cor. for sec. cor. add at 1920 sec. 29 and 30.			
	This cor. stands on an E. slope, 80 ft. above meander cor.			
66.60	Top of ascent, 60 ft. above $\frac{1}{2}$ sec. cor., bears S. and			
	SW.; precipitous descent of 105 ft. to river bed.			
70.01	The right bank of Green River, bears N. 25° W. and S. 25° E.			
	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in			
	the ground for meander cor. of fractional secs. 29 and			
	30, with brass cap mkd:			
	MC			
	1920			
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,			
	S. of cor.			
	I measure the distance across the river with an eight			
	chain tape, and find 100 ft. dry river bed to water level			
	due to low water at this time.			
78.00	Edge of water on N. side of stream, bears NW. and SE.;			
	over level, dry and sandy river bottom to			
80.00	The true point for cor. of secs. 19, 20, 29 and 30 falls			
	in dry river bed which is under water during the high			
	water period; cor. not set.			

Subdivision of T. 17 S., R. 17 E.

Chains.	Land; rough sides of Green River Canyon with sandstone boulders, broken sand and vertical ledges.
	Soil; very shallow red sand on the sides of canyon, but mostly rock exposed. Sandy and dark loam a few ft. deep in the bottoms of Green River Canyon.
	Timber; scattering scrubby cedar; cottonwood scattered along the banks of Green River.
	Undergrowth; scattering yellow top, shadscale and mountain rush; dense willows and squaw bushes on the bottom land.
	Scattering growth of bunch grass on the sides of canyons; excellent grazing in the river bottoms.
3.00	From the true point for cor. of secs. 19, 20, 29 and 30, N. 89° 59' E., on a random line bet. secs. 20 and 29.
4.60	To the left bank of Green River; set temp. meander cor.
40.00	Set temp. sec. cor. NW. and SW. and SW. and SE.
79.96	Intersect N. and S. line, .5 lks. N. of the cor. of secs. 20, 21, 28 and 29.
	Thence, N. 89° 59' W., on a true line bet. secs. 20 and 29.
	Desc. gradually 10 ft. along N. slope, through scattering timber and undergrowth.
1.30	Descent changes from E. and W. to NW. and SE.; precipitous descent of 290 ft.
7.90	Vertical ledge, 30 ft. high, bears NW. and SE.
10.20	Ravine, course NW.; asc. 135 ft.
13.80	Vertical ledge, 20 ft. high, bears NW. and SE.
21.90	Spur, projects N. about 12.00 chs. dist.; desc. abruptly 355 ft.
23.60	Vertical ledge, 30 ft. high, bears NE. and S.
30.70	Vertical ledge, 15 ft. high, bears NE. and SE.
35.20	Ravine, course N.; asc. gradually 45 ft. to
39.98	On a NE. slope, set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock and surrounded with a mound of stone for $\frac{1}{4}$ sec. cor., with brass

Subdivision of T. 17 S., R. 17 E.

Chains.	
	cap mkd: $\frac{1}{4}$ sec. cor. of sec. 20, N. 67° 30' W., 75 lks. dist., mkd. $\frac{1}{4}$ S 20 B T. and 100 ft. dist. from cor. of sec. 20, N. 29 E., 110 lks. from which, 100 ft. dist. from cor. of sec. 20, N. 29 E., 110 lks.
	A cedar, 4 ins. diam., bears N. 67° 30' W., 75 lks. dist., mkd. $\frac{1}{4}$ S 20 B T. and 100 ft. dist. from cor. of sec. 20, N. 29 E., 110 lks.
-46.90	A cedar limb, 4 ins. diam., bears S. 27° E., 110 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.
	Top of ascent, 25 ft. above $\frac{1}{4}$ sec. cor., bears SE. and S.; desc. 40 ft.
49.50	Ravine, course N.; asc. 90 ft.
49.70	The main traveled trail through Green River Canyon, bears NE. and SW. with side tributary drainages.
51.00	Enter a medium growth of timber, bears N. and S.
56.70	Spur, projects NW. about 20.00 chs. dist.; desc. 150 ft. to
72.80	Leave timber, bears N. and S., at the top of vertical ledge, .50 ft. high, bearing N. and S.; desc. grad- ually 20 ft. over river bottom, from foot of ledge to
75.36	The left bank of Green River, bears N. 25° W. and S. 25° E. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for meander cor. of fractional secs. 20 and 29, with brass cap mkd:
	T17S S20 MC S29 R17E 1920
	from which,
	A cottonwood, 16 ins. diam., bears N. 26° W., 426 lks. dist., mkd. T 17 S R 17 E S 20 M C B T.
	A cedar limb, 9 ins. diam., bears S. 64° E., 253 lks. dist., mkd. T 17 S R 17 E S 29 M C B T.
79.96	The true point for cor. of secs. 19, 20, 29 and 30, in dry river bed.
	Land; rough mountains with limestone, red, brown and white sandstone boulders, ledges and rim-rock.
	Soil; very shallow red sand in places, but mostly rock exposed on the entire mile.
	Timber; cedar and pinon pine; cottonwood scattered along the banks of Green River.

Subdivision of T. 17 S., R. 17 E.

Chains. Undergrowth; scattering shadscale, yellow top and mountain rush; dense willows and greasewood on the bottom land.
Draipage NW., E. 56.70 chs.; remainder of mile drains W.
Fair growth of bunch grass.

From the true point for cor. of secs. 19, 20, 29 and 30, S. $89^{\circ}57'W.$, on a random line bet. secs. 19 and 30.

I measure the distance across the river with a five chain tape, for it is narrow where the line crosses the stream.

4.14 To the right bank of Green River; set temp. meander cor.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.12 Intersect the W. bdy. of the Tp., 2 lks. S. of the cor.

of secs. 19, 24, 25 and 30, which is an iron post, 3 ins. in diam., extending 16 ins. above ground and firmly set in a mound of stone, correctly marked, and witnessed with four bearing trees, one in each sec.

Thence,

N. $89^{\circ}58'E.$, on a true line bet. secs. 19 and 30.

Desc. abruptly 330 ft. over rough NE. slope, through a medium growth of timber and scattering undergrowth.

19.10 Canyon, course SE.; asc. 195 ft.

25.10 Vertical ledge, 50 ft. high, bears N. and S.

36.90 Spur, projects S. about 3.00 chs. dist.; desc. 10 ft. to

38.12 At the base of descent, set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap mkd:

S 19

$\frac{1}{2}$

S 30

1920

from which,

A cedar, 10 ins. diam., bears N. $11^{\circ}45'E.$, 32 lks.

dist., mkd. $\frac{1}{4}$ S 19 B T.

A cedar, 6 ins. diam., bears S. $0^{\circ}30'W.$, 32 lks.

dist., mkd. $\frac{1}{2}$ S 30 B T.

Subdivision of T. 17 S., R. 17 E.

Chains.	Asc. gradually 35 ft. over SW. slope; from this $\frac{1}{4}$ sec. cor.
46.90	Leave medium growth of timber, bears NW. and SE., at the base of abrupt ascent, bearing NW. and SE.
58.80	Rugged spur, 175 ft. above base of abrupt ascent, project SE. about 15.00 chs. dist.; precipitous descent of 400 ft. over large boulders and broken ledges, 10 to 30 ft. high, bearing N. and S., and through scattering timber.
62.60	Vertical ledge, 40 ft. high, bears N. and S.
70.20	Leave timber, bears N. and S., at the top of vertical ledge, 150 ft. high, bearing NW. and S. 10° E.; descent becomes more abrupt over series of broken and vertical ledges; on the W. side of Green River Canyon to
73.98	The right bank of Green River, bears N. 20° W. and S. 20° E. Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to solid rock and surrounded by a mound of stone for meander cor. of fractional secs. 19 and 30, with brass cap mkd:
	T17S S19 S30 MC R17E 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	This cor. is located 275 ft. below top of ledge at the top of abrupt descent.
78.00	Edge of water on the E. side of stream.
78.12	The true point for cor. of secs. 19, 20, 29 and 30, in dry river bed.
	Land; steep and rough mountains with large boulders, outcroppings, broken and vertical ledges of sandstone and limestone formation.
	Soil; shallow red sand in places; but mostly rock exposed on the entire mile.
	Timber; scattering to a medium growth of cedar and pinon pine.

Subdivision of T. 17 S., R. 17 E.

Chains.	Undergrowth; scattering yellow top, shadscale and mountain rush; dense willows and squaw bushes on the bank of Green River.
	Drainage SE., W. 58.80 chs.; remainder of mile drains E. E. and W. exposure. Scattering growth of bunch grass.
	From the true point for cor. of secs. 19, 20, 29 and 30, N.0°03'W., bet. secs. 19 and 20.
	Over level, dry, sandy and gravelly river bed.
23.30	Edge of water on the S. side of stream. The line crosses the river where the width of the stream is about 8.00 chs., due to low water at this time; therefore I continue measurement with an eight chain tape.
32.00	The right bank of Green River, bears N.55°E. and S.55°W. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for meander cor. of fractional secs. 19 and 20, with brass cap mkd:
	T17S | R17E S19 | S20 --- MC 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Asc. 50 ft. over large boulders and outcroppings, from meander cor. to ledges, beginning at the top of the ledge.
33.50	Foot of nearly vertical ledge, 100 ft. high, bears NE. and SW.; asc. 115 ft. over boulders and broken ledges, from top of ledge to
40.00	On a rugged SE. slope, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	S 19 | S 20 --- 1920
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Subdivision of T. 17 S., R. 17 E.

Chains.	Continue ascent of 250 ft. over boulders and broken ledges, from this $\frac{1}{2}$ sec. cor. and ; about						
50.10	Vertical ledge, 10 ft. high, bears NE. and SW.						
51.80	Rugged spur, projects E. about 25.00 chs. dist.; desc. abruptly 220 ft.						
63.40	Ravine, course E. about 15.00 chs. dist., thence SE.;						
	asc. 155 ft.						
67.90	Vertical ledge, 20 ft. high, bears E. and W..						
70.10	Spur, projects E. about 2.00 chs. dist.; desc. 140 ft.						
77.00	Draw, course SE.; asc. 75 ft. to						
80.00	On a SW. slope, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 17, 18, 19 and 20, with brass cap mkd:						
	<table border="1"> <tr> <td>T17S</td> <td>R17E</td> </tr> <tr> <td>S18</td> <td>S17</td> </tr> <tr> <td>S19</td> <td>S20</td> </tr> </table> <p>1920</p>	T17S	R17E	S18	S17	S19	S20
T17S	R17E						
S18	S17						
S19	S20						
	from which, at 1 mile, N. 48.00 chs.						
	A cedar, 6 ins. diam., bears N. 87°E., 89 lks.						
	dist., mkd. T 17 S R 17 E S 17 B.T.						
	A cedar, 6 ins. diam., bears S. 73°30'E., 92 lks.						
	dist., mkd. T 17 S R 17 E S 20 B.T.						
	A cedar, 6 ins. diam., bears S. 70°15'W., 82 lks.						
	dist., mkd. T 17 S R 17 E S 19 B.T.						
	A cedar, 6 ins. diam., bears N. 86°W., 64 lks.						
	dist., mkd. T 17 S R 17 E S 18 B.T.						
	Land; steep and rugged mountains, N. 48.00 chs.						
	Soil; rocky and shallow red sand, lying on either a blue light or a brown clay subsoil about 1 to 2 ft. deep to bed-rock, N. $\frac{1}{2}$ mile.						
	Timber; scattering cedar and pinon pine, N. $\frac{1}{2}$ mile.						
	Undergrowth; scattering yellow top, shadscale and mountain rush.						
	Formation; sandstone and limestone.						
	Drainage SE. to Green River.						
	Scattering growth of bunch grass.						

S. VI. S Subdivision of T. 17 S., R. 17 E.

Chains.	S.89°59'E., on a random line bet. secs. 17 and 20.	RAILROAD
40.00	Set temp. $\frac{1}{2}$ sec. cor.	
80.14	Intersect N. and S. line, 23 lks. S. of the cor. of secs. 16, 17, 20 and 21.	INTERSECTION
	Thence,	asc. 48.6
	Leave ravine to NW, desc. 20 ft. asc. 10 ft.	
	S.89°51'W., on a true line bet. secs. 17 and 20.	
	Asc. NE. slope 10 ft., through scattering timber and undergrowth.	
0.70	Spur, projects SE.; desc. 10 ft.	00.04
3.00	To N. 1/2 mi. off course SW, asc. 10 ft. descended 10.00	
5.70	Head of ravine, course SE.; asc. 375 ft.	
33.30	Vertical ledge, 6 ft. high, bears N. and S.	
40.07	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:	
	of brs. 11. 1000. 3rd half amid rocks. 18°32'00.0	
	S 17	
	and azimuths recorded. $\frac{1}{4}$ sec. 1000. 31. 3. 0000	
	S 20	
	1920 .31. 3. 0000	
	from which,	
41.00	A cedar limb, 4 ins. diam., bears N.80°45'W., 215 lks.	
41.70	Leave top of ridge, bears NW. and SE.; desc. SW. slope 130 ft.	
42.00	Ledge outcropping, 4 ft. high, bears NW. and SE.	
47.60	Head of ravine, course SE.; asc. 260 ft.	
66.30	Top of ascent, bears NE. and SW.; over level top of ridge, bearing NE. and NW.	
77.50	Leave top of ridge, bears NW. and SE.; desc. 25 ft. over SW. slope to	
80.14	The cor. of secs. 17, 18, 19 and 20.	
	Land; rough mountains with sandstone and limestone outcroppings.	
	Soil; rocky, red sand about 12 to 18 ins. deep, lying on a light or a brown clay subsoil or on bed-rock.	

Subdivision of T. 17 S., R. 17 E.

Chains.	
	Timber; scattering growth of cedar and pinon pine.
	Undergrowth; scattering shadscale, yellow top and mountain rush.
	Eastern exposure, E. 33.30 chs.; southern exposure, W. 46.84 chs.
	General drainage SE. Fair growth of bunch grass.
	S.89°58'W., on a random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
/ 77.95	Intersect the W. bdy. of the Tp., 11 lks. S. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, 3 ins. in diam., extending 16 ins. above ground and firmly set in a mound of stone, correctly marked, and witnesssed by four bearing trees, one in each sec.
	Thence, S.89°57'E., on a true line bet. secs. 18 and 19.
	Asc. 5 ft. over W. slope, through scattering timber and undergrowth.
0.20	Spur, projects S. about 10.00 chs. dist.; desc. 100 ft.
6.50	Ravine, course S.; asc. 80 ft.
14.50	Spur, projects S. approximately 3.00 chs. dist.; desc. 90 ft.
19.50	Ravine, course SW.; asc. 130 ft.
29.80	Top of ascent, bears NE. and SW.; over level top of ridge, bearing NE. and SW.
37.95	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd: S 18
	A cedar, 10 ins. diam., bears N.45°30'E., 106 lks.
	dist., mkd. $\frac{1}{4}$ S 18 B T.
	A cedar, 6 ins. diam., bears S.55°30'E., 69 lks.
	dist., mkd. $\frac{1}{4}$ S 19 B T.
42.50	Leave top of ridge, bears NE. and SW.; desc. SE. slope 75 ft.

Subdivision of T. 17 S., R. 17 E.

Chains.	
53.40	Ravine, course SE.; asc. 60 ft.
64.30	Spur, projects S. about 8.00 chs.. dist.; desc. 85 ft.
70.20	Draw, course SE.; asc. 50 ft. to
77.95	The cor. of secs. 17, 18, 19 and 20. Land; rough mountains with outcroppings of sandstone and limestone, the latter predominating. Soil; rocky, red sand about 1 to 2 ft. deep, lying on a light or a brown clay subsoil or on bed-rock. Timber; scattering growth of cedar and pinon pine. Undergrowth; scattering to a dense growth of yellow top, shadscale and mountain rush.
	Drainage SW., W. $\frac{1}{2}$ mile; SE., E. $\frac{1}{2}$ mile.
	Southern exposure. Fair growth of bunch grass.
	N.0°03'W., bet. secs. 17 and 18.
	Asc. 30 ft. over rough SW. slope, through scattering timber and undergrowth.
1.50	Leave timber, bears NW. and SE., at the top of ascent, bearing N.70°W. and S.70°E.; over nearly level bench.
19.80	Enter scattering timber, bears E. and W., on the N. edge of bench, bearing E. and W.; precipitous descent of 225 ft.
29.30	Rugged canyon, course E.; asc. 115 ft. to $\frac{1}{4}$ sec. cor.
34.00	Vertical ledge, 10 ft. high, bears E. and W.
40.00	On the rugged N. side of canyon, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:
	$\frac{1}{4}$ S 18 S 17 1920
	from which,
	A cedar, 6 ins. diam., bears N.45°15'E., 51 lks. dist., mkd. $\frac{1}{4}$ S 17 B.T.
	A cedar, 6 ins. diam., bears S.61°30'W., 42 lks. dist., mkd. $\frac{1}{2}$ S 18 B.T.

Subdivision of T. 17 S., R. 17 E.

Chains.	
40.20	Top of abrupt ascent, 10 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.; asc. gradually 20 ft. to top of ridge, 40.50
49.50	Begin abrupt ascent of 510 ft. over SW. slope of large boulders and broken ledges to sec. 1 cor. 50.75
55.50	Vertical ledge, 15 ft. high, bears NW. and SE.
69.80	Vertical ledge, 40 ft. high, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to solid rock and surrounded by a mound of stone for cor. of secs. 7, 8, 17, and 18, with brass cap mkd:
	T17S | R17E S7 | S8 SL8 | S17. 1920
	Brace iron rod to future cor. and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. All trees within a reasonable distance too scrubby to mark.
	Land; steep and rough mountains; bench land, 18.30 chs. of S. $\frac{1}{2}$ mile.
	Soil; very shallow and rocky red/on the rough portions; rocky, red sand about 18 ins. deep, lying on a light or a brown clay subsoil, on the bench.
	Timber; scattering cedar and pinon pine.
	Undergrowth; yellow top, shadscale and mountain rush, dense on bench, scattering on the rough portions of mile.
	S. 1.50 chs. drains SE.; N. 78.50 chs. drains generally to the E.
	General N. and S. exposure. Fair growth of grass.
	Formation; red and brown sandstone boulders, broken and vertical ledges.
	N. $89^{\circ}51'E.$, on a random line bet. secs. 8 and 17.
4.50	To base of impassable cliffs, pinnacles, ledges and crags which cap the top of a rugged ridge, bearing northwest-erly and southeasterly; therefore I return to the cor.

Subdivision of T. 17 S., R. 17 E.

- Chains. of secs. 7, 8, 17 and 18 and offset as follows:
S. $0^{\circ} 03'$ E. 11.57 chs.; then on a traverse line
East 7.23 chs.
S. $79^{\circ} 45'$ E. 27.00 chs.
N. 77° E. 14.90 chs.
N. $33^{\circ} 45'$ W. 5.80 chs.
N. $39^{\circ} 30'$ E. 11.10 chs.
East 26.93 chs.; then offset
N. $0^{\circ} 03'$ W. 1.28 chs. to the cor. of secs. 8, 9, 16
and 17; or on random line at
- 80.31 Intersect N. and S. line 2 lks. N. of the cor. of secs. 8,
9, 16, and 17. Thence
S. $89^{\circ} 52'$ W. on a true line bet. secs. 8 and 17,
Ascend gradually 105 ft. over NE. slope of large boulders
and outcroppings; through scattering timber and under-
growth.
- 13.60 Begin abrupt ascent of 395 ft. over NE. slope.
- 17.50 Vertical ledge, 30 ft. high, bears N. and S.
- 21.30 Vertical ledge 25 ft. high, bears NW. and SW..
- 26.80 Vertical ledge, 50 ft. high, bears NW. and SW. at the
top of abrupt ascent. Ascend more gradually 110 ft.
- 31.70 Top of ascent, bears SE. and W.; descend 95 ft. along
rugged N. slope to
- 40.105 Set an iron post, 3 ft. long, 1 in. in diam., 37 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd.
- $\frac{1}{4}$ S 8
S 17
1920
- and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N.
of cor.
- 50.10 Rugged ravine 205 ft. below $\frac{1}{4}$ sec. cor., course N.; pre-
cipitous ascent of 255 ft.
- 61.50 Base of impassable cliffs which cap rugged ridge, bear-
ing northwesterly and southeasterly.
- Approximate topography as follows:
- 72.00 Top of impassable rugged ridge, about 300 ft. above

Subdivision of T. 17 S., R. 17 E.

	Chains:	base of cliffs bearing NW. and SE.; precipitous descent of about 300 ft. to
75.70		Base of cliffs, bearing NW. and SE.; descend abruptly 180 ft. over SW. slope of large boulders and outcroppings.
80.21		The cor. of secs. 7, 8, 17 and 18. Land, abrupt and rugged mountains, with large boulders and ledges on entire mile; impassable ridge capped with high jagged cliffs, pinnacles and crags. Soil, very shallow and rocky red sand on greater portion of mile. Timber scattering scrub cedar and pinon pine. Undergrowth, scattering service-berry and mountain rush. Sparse growth of bunch grass. Formation red and brown sandstone: Northern exposure and drainage E. 72.00 chs.; southern exposure and drainage W. 8.21 chs.
		N. $89^{\circ} 57'$ W. on a random line bet. secs. 7 and 18, This line passes along abrupt S. slope of ridge; over rugged ravines and spurs putting S., making chaining impracticable; therefore I offset from the section corner as follows:
		S. $0^{\circ} 03'$ E. 11.37 chs.; then on a traverse line
		S. 83° W. 40.30 chs.; then offset
		N. $0^{\circ} 03'$ W. 16.31 chs. to random line. Set temp. $\frac{1}{4}$ sec. corner; thence offset
		S. $0^{\circ} 03'$ E. 16.31 chs.; then on the traverse line
		S. 83° W. 35.36 chs.; then offset
		N. $0^{\circ} 03'$ W. 20.66 chs. to random line; thence
		N. $89^{\circ} 57'$ W. 2.76 chs. on random line bet. secs. 7 and 18
77.26		Intersect N. bdy. of Tr., 23 lks. S. of the corner of secs. 7, 12, 13, and 18, which is an iron post 3 ins. in diam., extending 24 ins. above ground, firmly set in

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Subdivision of T. 17 S., R. 17 E.

Chains.	a mound of stone, correctly marked and witnessed by four bearing trees, one in each sec. Thence S. $89^{\circ} 47'$ E. on a true line bet. secs. 7 and 18, Descend abruptly 75 ft. over rough NE. slope; through scattering timber and undergrowth.
2.76	Point of offset; thence S. $0^{\circ} 03'$ E. 20.66 chs. Thence N. $83^{\circ} 60'$ E. 35.36 chs. Approximate topography as follows:
3.80	Rugged ravine course SE.; ascend about 175 ft.
14.00	Spur, projects S.; descend about 325 ft.
28.00	Ravine, course S.; ascend abruptly about 275 ft. From 35.36 chs. point on traverse line Offset North 16.20 chs. to true line and at
37.86	On rugged west slope, Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to solid rock surrounded by a mound of stone for $\frac{1}{4}$ sec.cor., with brass cap marked S 7 — S18 1920
42.80	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Thence south 16.20 chs. from spur projecting S. Thence on traverse line N. $83^{\circ} 00'$ E. 40.30 chs. Thence N. $0^{\circ} 03'$ W. 11.57 chs. to point of offset. Approximate topography from $\frac{1}{4}$ sec.cor. as follows:
60.00	Ravine, course S.; 325 ft. below spur. Ascend abruptly.
77.86	The cor. of secs. 7, 8, 17 and 18; 400 ft. above ravine. Land, steep S. slope of ridge with rugged spurs and ravines putting to the S. Formation red and brown sandstone ledges and boulders. Soil, loose rocky, shallow red sand in places, lying on a brown clay or bed-rock; but rock exposed on greater portion of mile. Timber, scrub cedar, scattering. Undergrowth, sparse growth of shadscale, mountain rush and service-berry. Very little grass.

Subdivision of T. 17 S., R. 17 E.

Chains	N. $0^{\circ} 03'$ W. bet. Secs. 7 and 8, Ascend abruptly over SW.slope 120 ft., over large boulders and series of ledges 15 to 40 ft. high, bearing southeasterly and no thwesterly; through scattering timber.
5.70	To base of high impassable cliffs. I return to the cor.of secs. 7, 8, 17 and 18 and offset as follows: N. $89^{\circ} 52'$ E. 40.10 chs. to the $\frac{1}{4}$ cor.of secs. 8 and 17; Then on an offset line, N. $0^{\circ} 03'$ W. 30.00 chs.; Thence S. $89^{\circ} 53'$ W. 40.10 chs. to true line Approximate topography as follows:
7.00	Top of sharp rugged ridge 90 ft. above base of cliffs bears W. and southeasterly; descend abruptly over large boulders and series of vertical ledges 10 to 50 ft. high, bearing west and southeasterly.
20.00	Base of ledges, bearing NW. and SE.
30.00	Point of offset. Thence N. $0^{\circ} 03'$ W. between Secs. 7 and 8 with continuous measurement. Descending abruptly over NE.slope of large boulders and through scattering timber and undergrowth.
38.35	Set flag for triangulation between Secs. 5 and 8,
38.70	Vertical ledge 15 ft. high, bearing NE. and W.
40.00	In head of ravine, draining NE. 975 ft. below top of rugged ridge, Set an iron post 3 ft.long, 1 in.in diam., 22 ins.in the ground to solid rock and surrounded by a mound of stone for $\frac{1}{4}$ sec.cor., with brass cap mkd.
	S 7 | S 8 1920 from which
	A cedar 6 ins.diam., bears S. $53^{\circ} 45'$ E. 104 lks.dist., marked $\frac{1}{4}$ S 8 B T A cedar 6 ins.diam., bears S. $63^{\circ} 00'$ W. 30 lks. dist., mkd. $\frac{1}{4}$ S 7 B T
44.00	Ravine, 100 ft. below $\frac{1}{4}$ sec.cor.course NE. Ascend 50 ft.

Subdivision of T. 17 S., R. 17 E.

Chains 45.90	Spur, projects NE. about 5.00 chs. dist.; desc. 80 ft.
52.20	Dry wash, 70 lks. wide, 10 ft. deep, in the bottom of canyon, course S.80°E.; asc. abruptly 95 ft.
56.50	Top of abrupt ascent, bears N.80°W. and S.80°E.; asc. gradually 125 ft. over SW. slope.
67.90	Spur, projects SE. about 10.00 chs. dist.; desc. 25 ft.
69.80	Ravine, course SE.; asc. abruptly 330 ft. to sec. cor.
73.10	Vertical ledge, 30 ft. high, bears NW. and SE.
80.00	On a rough SW. slope, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 5, 6, 7 and 8, with brass cap mkd:
	T17S | R17E
	S6 | S5 S7 | S8
	Soil; loose, rocky red sand from a few ins. to 2 ft. deep, lying on blue, light or brown clay subsoils, or on bed- rock; clay exposed on portions of ridge.
	Timber; scattering growth of cedar and pinon pine.
	Undergrowth; sparse growth of mountain rush and service- berry bushes.
	Formation; red and brown sandstone boulders and outcropp- ings on slopes, and high jagged cliffs and crags on top of ridge.
	Scattering growth of bunch grass.
	N.89°52'E., on a random line bet. secs. 5 and 8.
	Approximately 10.00 chs. E. of this cor., series of ledges and cliffs make chaining impossible for a dist. of about 20.00 chs.; therefore I make the following tri- angulation: Set a flag on line on top of ridge; then use the N.

Subdivision of T. 17 S., R. 17 E.

Chains.

41.65 chs. of the line bet. secs. 7 and 8 as a base.
 From the 41.65 ch. point bet. secs. 7 and 8, the flag
 bears N. $38^{\circ}38' E$; from the flag the 41.65 ch. point
 bears S. $38^{\circ}38' W$, and by separate measurement of each
 angle by deflection with three repetitions with an
 error of 1' balanced to 180°,
 $N89^{\circ}52'E$
 33.39 chs.
 they are found respectively
 $N.0^{\circ}38'W$
 47.65 chs.
 $N.38^{\circ}38'E$
 Dist. by triangulation = 33.39 chs.

From this flag at 33.39 chs., the line runs along the
 abrupt and rugged N. side of ridge, over high ledges,
 cliffs, crags and pinnacles which make chaining imposs-
 ible. I determine the remaining dist. as follows:

Designate the above flag as point A; then set a flag
 on line

B, 26 lks. S. of the true point for cor. of secs. 4,
 5, 8 and 9; also a flag C, 7 lks. E. of the $\frac{1}{2}$ cor. of
 secs. 4 and 5, which from point A bears N. $49^{\circ}17' E$. The
 base BC bears N. $0^{\circ}08' W$. 40.26 chs. dist., and all
 angles are checked by deflection by three repetitions
 with an error of 1' balanced to 180°.

The angles subtended at points A, B and C are respectively $40^{\circ}35'$,
 $90^{\circ}00'$ and $49^{\circ}25'$.

Dist. by triangulation = 47.01 chs.
 Dist. on random line to
 point A by first triangulation
 $= 33.39$ "
 Total dist. = 80.40", or at

80.40 Intersect N. and S. line, 26 lks. S. of the true point for
 cor. of secs. 4, 5, 8 and 9.

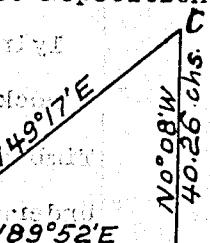
Thence,

S. $89^{\circ}41' W$, on a true line bet. secs. 5 and 8.

Asc. 150 ft. over nearly barren, abrupt and rugged N.
 slope, along the heads of ravines and spurs; putting to
 the N. end of sec. 8.

40.20 True point for $\frac{1}{4}$ sec. cor. falls on nearly vertical led-
 ges where it is impossible to cut a cross(X) or set the
 iron post.

Point of triangulation.



Subdivision of T. 17 S., R. 17 E.

Chains.

- 47.05 On top of sharp rugged ridge, bearing N.70°W. and S.70°E., set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to solid rock and surrounded by a mound of stone for witness $\frac{1}{4}$ sec. cor., with brass cap mkd:
- S 5
 $\frac{1}{4}$ WC
 S 8
 1920
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- Precipitous descent of 650 ft. over large boulders and series of ledges, 10 to 40 ft. high, bearing northwest-erly and southeasterly from top of ridge to
- 71.40 Ravine, course S.10°E.; asc. 225 ft. over large boulders.
- 77.40 Spur, projects S.; desc. 65 ft. over large boulders and outcroppings to
- 80.40 The cor. of secs. 5, 6, 7 and 8.
- Land; abrupt and rugged NE. and SW. sides of ridge which is capped with ledges, jagged cliffs, crags and pinnacles.
- Soil; very little soil, but mostly rock exposed on the entire mile.
- Timber; a few scattering scrubby cedar.
- Undergrowth; sparse growth of mountain rush and serviceberry bushes.
- Drainage NE., E. 47.05 chs.; SW., W. 33.35 chs.
- Red and brown sandstone formation. No grass.

Meanders of the Left Bank of Green River, up Stream.

- From the meander cor. of fractional secs. 6 and 31, on the S. bdy. of the Tp., heretofore described, thence with meanders in sec. 31.
- Over level bottom land, through dense greasewood.
- N.74°30'E. 3.56 chs. Bank 6 ft. high.
- N.63°33'E. 4.73 " Bank 5 ft. high. To the meander cor. of fractional secs. 31 and 32.

Meanders of T. 17 S., R. 17 E.

Land; level river bottoms.
 Soil; dark sandy loam several ft. deep in bottoms; rocky, red sand away from canyon bottoms.
 Timber; a few young boxelder along the bank of river.
 Undergrowth; dense greasewood; dense willows and squaw bushes along edge of water.
 Fair growth of bunch and salt grass.

Thence in sec. 32.

Over level bottom land, through dense greasewood.

- N.67°E. 5.37 chs. Bank 5 ft. high. At 4.40 chs., dry wash, 20 lks. wide, 3 ft. deep, course N.30°W.
- N.60°E. 4.60 chs. Bank 5 ft. high.
- N.55°30'E. 6.00 " Bank 6 ft. high.
- N.71°45'E. 5.00 " Bank 6 ft. high. At 1.00 ch., barbed wire fence, bears NW. and SE.; line crosses center of wire corral, 35 lks. in diam.
- N.39°30'E. 1.70 chs. Bank 5 ft. high.
- N.81°30'E. 4.70 " At 1.00 ch., leave dense greasewood, bears NW. and SE.; leave bottom land; over rocky sloping bank. At 3.00 chs., enter dense willows, bears NE. and SW.; at the end of course, dry wash, 1.00 ch. wide, 3 ft. deep, course NW.
- N.60°15'E. 8.90 chs. At 7.90 chs., dry wash, 40 lks. wide, 7 ft. deep, course NW.
- N.48°15'E. 10.10 chs.
- N.31°30'E. 7.20 " At 2.30 chs., leave willows, bears NE. and SW.; leave rocky, sloping bank; thence over level sandy bank, 5 ft. high, through dense greasewood and squaw bushes.

Subdivision of T. 17 S., R. 17 E.

Chains.	N. $6^{\circ}30'W.$	12.00 chs.	Bank 5 ft. high. At 2.90 chs., undergrowth becomes more scattering.
	N. $14^{\circ}W.$	7.10 chs.	Bank 4 ft. high. At the beginning of course, dry wash, 30 lks.
			Leave this meander, and go wide, 3 ft. deep, coarse W.; at 6.70 chs., leave greasewood and squaw bushes, bears E. and meander formation continues W.; and enter dense willows.
	N. $27^{\circ}W.$	2.40 chs.	At the beginning of course, leave willows, bears NE. and SW.; leave level sandy bank, small sand dunes; then, over rocky, sloping bank, through scattering shale.
	N. $43^{\circ}30'W.$	13.81 chs.	At 10.80 chs., S. end of rapids bears SW.
	N. $46^{\circ}30'W.$	3.00 chs.	
	N. $59^{\circ}15'W.$	6.80 chs.	
	N. $65^{\circ}W.$	4.00 chs.	At 0.40 chs., a sandstone boulder, 4X3X3 ft., marked W L 4250.86, bears N. 11. lks. dist.
	N. $79^{\circ}W.$	3.70 chs.	
	N. $87^{\circ}W.$	6.50 chs.	At 1.70 chs., enter scattering willows; over sloping bank of large boulders, along foot of nearly vertical wall, 60 ft. high, bearing N. $60^{\circ}E.$ and S. $60^{\circ}W.$
	S. $86^{\circ}45'W.$	4.40 chs.	
	S. $60^{\circ}W.$	3.70 chs.	At 2.00 chs., leave wall; at the end of course, head of rapids, bears S.
	S. $53^{\circ}W.$	0.60 chs.	To the meander cor. of fractional secs. 31 and 32.
			Land; level river bottoms with sandy banks; rocky and sloping banks.

Meanders of T. 17 S., R. 17 E.

	Soil; sandy loam several ft. deep in the river bottoms; shallow and rocky red sand in the narrows of the canyon.
	Timber; scattering cottonwood along river bank; a few cedar.
	Undergrowth; greasewood, willows, squaw bushes and shadscale. Dense willows and squaw bushes along edge of water.
	Sandstone formation. Scattering growth of bunch grass and salt grass.
	Thence in sec. 31.: .
	Along top of nearly vertical wall, / over boulders and through scattering shadscale. 15 ft. high,
	S.63°30'W. . . 2.00 chs.
	N.87°W. 1.10 "
	N.37°W. 8.00 " At 2.40 chs., leave boulders and top of wall, bears N.70°E. and S.70°W.; over level sandy bank 6 ft. high.
	N.28°54'W. . . 6.79 chs. At the beginning of course, enter dense greasewood, bears NE. and SW.; at .2.10 chs., leave greasewood, bears E. and W., and enter dense willows and squaw bushes. To the meander cor. of fractional secs. 30 and 31.
	Land; rocky and sloping banks; river bottoms with sandy, vertical banks. Water beats against foot of wall.
	Soil; rocky, and shallow red sand on sloping banks; sandy loam several ft. deep on the bottom land.
	Timber; a few scattering cottonwood and boxelder.
	Undergrowth; willows, squaw bushes, shadscale and greasewood.
	Sandstone formation. Scattering growth of bunch grass; good grazing of salt grass in the river bottoms.

Meanders of T. 17 S., R. 17 E.

Thence in sec. 30..

Over level river bottoms, through dense willows and squaw bushes.

N. $27^{\circ}15'W.$ 3.40 chs. Bank 6 ft. high. At 2.80 chs., undergrowth becomes more scattering.

N. $13^{\circ}W.$ 1.00 ch. Bank 6 ft. high.

N. $4^{\circ}30'E.$ 7.00 chs. Bank 7 ft. high.

N. $12^{\circ}45'E.$ 4.70 " Bank 7 ft. high. At the end of course, undergrowth becomes more dense.

N. $28^{\circ}30'E.$ 6.30 chs. Bank 5 ft. high. At 3.80 chs., enter scattering cottonwood.

N. $40^{\circ}E.$ 5.00 chs. Bank 5 ft. high.

N. $76^{\circ}15'E.$ 4.00 " Bank 4 ft. high. At 3.00 chs., leave scattering cottonwood.

N. $67^{\circ}30'E.$ 1.10 chs. At the beginning of course, leave dense willows and squaw bushes, bears NW. and SE., and enter scattering; over sloping sandy shore. To the meander cor. of fractional secs. 29 and 30.

Land; level, Spring Wash Bottoms.

Soil; dark sandy loam several ft. deep.

Timber; scattering cottonwood and boxelder.

Undergrowth; willows and squaw bushes.

Excellent grazing.

Thence in sec. 29.

Along sandy shore in bottom land, over boulders and through scattering cottonwood, greasewood and willows.

N. $34^{\circ}30'E.$ 2.60 chs.

N. $62^{\circ}45'E.$ 2.60 "

N. $59^{\circ}30'E.$ 8.60 " At 0.50 chs., creek of slightly alkali water, 2 lks. wide, 2

Meanders of T. 17 S., R. 17 E.

- ins. deep, in wash, 70 lks. wide, 3 ft. deep, at the mouth of Spring Wash Canyon, course NW.; at 190 chs., enter dense willows, bears NW. and SE.; at 5.40 chs., leave scattering cottonwood; at 8.30 chs., leave willows, bears NE. and SW., and enter a medium growth of shadscale and greasewood.
- N.16°E. 9.30 chs. At the beginning of course, leave sandy shore, thence over rocky, sloping bank; at 0.30 chs., seepage of alkali water, course W.
- N.1°W. 3.80 chs.
- N.2°30'W. 9.20 " At 6.20 chs., seepage of alkali water, course W.
- N.11°30'W. 13.90 chs. At 1.30 chs., leave rocky bank, thence along sandy shore; at 9.00 chs., leave shadscale and greasewood, and enter dense willows, bears E. and W.; at 11.10 chs., leave willows, bears E. and W., and enter dense shadscale and greasewood; at 13.20 chs., leave sandy shore, thence along rocky, sloping bank.
- N.31°30'W. 9.00 chs. At the beginning of course, leave rocky, sloping bank; over sandy shore, at the mouth of draw, draining W.; at 1.80 chs., seepage of alkali water, in wash, 20 lks. wide, 4 ft. deep, at the mouth of draw,

Meanders of T. 17 S., R. 17 E.

draining W.

N. $25^{\circ}10'W.$ 3.04 chs. At 2.60 chs., line passes over a rocky point, projecting W.; over sandy bank, 3 ft. high, through a medium growth of greasewood. To the meander cor. of fractional secs. 20 and 29.

Land; Spring Wash Bottoms, first three courses; sandy shores, rocky and sloping banks, in the narrows of canyon.

Soil; red sand, shallow and rock^y on sloping banks; sandy loam in canyon bottoms.

Timber; cottonwood.

Undergrowth; greasewood, shadscale, willows and squaw bushes.

Sandstone formation. Fair growth of grass.

Thence in sec. 20.

Over level river bottoms, through a medium growth of greasewood.

N. $23^{\circ}15'W.$ 3.70 chs.

N. $13^{\circ}15'W.$ 6.10 "

N. $4^{\circ}W.$ 8.60 " At 7.10 chs., leave greasewood; along sandy shore; enter scattering cottonwood.

N. $16^{\circ}45'E.$ 5.80 chs.

N. $71^{\circ}E.$ 2.40 " At the beginning of course, leave sandy shore; over sandy bank, 3 ft. high; at the end of course, leave scattering timber.

S. $85^{\circ}15'E.$ 5.00 chs. At 2.30 chs., bank becomes rocky; along foot of vertical wall, 40 ft. high, bearing N. $85^{\circ}W.$ and S. $85^{\circ}E.$

Meanders of T. 17 S., R. 17 E.

S.68°E.	1.30 chs.	
S.57°15'E.	2.00 "	
S.44°15'E.	1.50 "	At the beginning of course, enter dense willows and squaw bushes, bears NE. and SW.
S.37°30'E.	7.10 chs.	At 5.10 chs., leave dense willow and squaw bushes, bears NE. and SW., and enter scattering.
S.34°E.	7.70 chs.	
S.49°30'E.	8.70 "	At 8.20 chs., line crosses seep- age of alkali water.
S.81°15'E.	6.60 chs.	At 3.90 chs., leave willows and squaw bushes, and enter scat- tering greasewood; at 4.70 chs. along top of wall, 30 ft. high bearing N.80°W. and S.80°E.
S.88°45'E.	2.80 chs.	
S.85°E.	6.90 "	At 1.10 chs., leave wall; over rocky, sloping bank, through a medium growth of willows, squaw bushes and greasewood.
N.47°E.	5.50 chs.	At 0.30 chs., leave rocky bank; over sandy bank, 5 ft. high; at 5.10 chs., leave willows and squaw bushes, bears E. and W.; continue through dense greasewood.
N.15°15'E.	7.00 chs.	At 6.80 chs., enter scattering cottonwood.
N.25°45'E.	5.00 chs.	
N.11°E.	4.80 chs.	At 3.40 chs., dry wash, 30 lks. wide, 3 ft. deep, course NW.; at 3.80 chs., enter dense wil- lows, bears E. and W.
N.8°30'E.	3.10 chs.	

Meanders of T. 17 S., R. 17 E.

- N.22°E. 3.60 chs. At the beginning of course, leave greasewood, bears E. and W.
- N.28°45'E. 4.00 chs. At 0.50 chs., leave willows,
- N.39°E. 3.70 " bears E. and W.
- N.54°15'E. 5.00 " At the beginning of course, enter heavy cottonwood, bears E. and W.
- N.58°30'E. 8.50 chs. At the beginning of course, timber becomes more scattering; at 2.80 chs., enter dense rabbit brush and greasewood, bears NE. and SW.; at 4.00 chs., dry wash, 20 lks. wide, 5 ft. deep, course N.20°W.; at 6.70 chs., perpendicular bank, 10 ft. high.
- N.36°45'E. 6.00 chs. At 3.00 chs., leave vertical bank, 6 ft. high; leave greasewood and rabbit brush, bears E. and W., and enter heavy timber, bears E. and W.; over sloping sandy bank.
- N.16°E. 2.80 chs.
- N.35°30'E. 2.30 chs. At 1.00 ch., enter dense squaw bushes, bears NW. and SE.
- N.57°E. 2.28 chs.
- S.35°25'E. 1.14 " At the beginning of course, bank 7 ft. high; enter dense rabbit brush and greasewood, bears SW. and SE. To the meander cor. of fractional secs. 20 and 21.
- Land; rocky, sloping banks and vertical walls in narrows of canyon; water beats against walls. Long Bottoms, the last fifteen courses.
- Soil; sandy loam and a dark loam several ft. deep in Long Bottoms; shallow and rocky red sand on sloping banks.

Meanders of T. 17 S., R. 17 E.

- Timber; scattering to a heavy growth of cottonwood; a few scattering cedar in the narrows of canyon.
- Undergrowth; greasewood, rabbit brush, willows and squaw bushes.
- Sandstone formation. Fair growth of salt grass and bunch grass.
- Thence in sec. 21. and 34. on in 62.5 N. 19° E.
- Over level river bottoms, through scattering cottonwood, dense greasewood and rabbit brush.
- N.19°E. 1.30 chs. At 0.10 chs., dry wash, 110 lks. wide, 7 ft. deep, course N.30°W.
- N.60°15'E. 3.10 chs. Low sloping sandy bank.
- N.47°30'E. 5.60 " At 1.00 ch., leave greasewood and rabbit brush, bears NW. and SE along sandy shore; at 5.00 chs enter heavy timber, bears NW. and SE.
- N.41°15'E. 5.60 chs.
- N.67°E. 4.10 " At the beginning of course, leave heavy timber, bears NW. and SE at 1.00 ch., leave sandy shore along sandy bank, 4 ft. high, through dense greasewood.
- N.6°45'E. 5.30 chs. Bank 4 ft. high.
- N.12°30'E. 1.10 " Bank 4 ft. high.
- N.21°45'E. 5.10 " Bank 5 ft. high. At 1.10 chs., dry wash, 5 ft. deep, 120 lks. wide, course N.20°W.
- N.45°30'E. 1.60 chs. Bank 5 ft. high.
- N.55°E. 2.70 " Bank 5 ft. high. At the beginning of course, enter dense rabbit brush and squaw bushes, bears NW. and SE.

Meanders of T. 17 S., R. 17 E.

- N. $76^{\circ}45' E.$ 4.00 chs. Bank 5 ft. high. At 1.70 chs., dry wash, 30 lks. wide, 5 ft. deep, course N. $20^{\circ} W.$
- N. $51^{\circ}44' E.$ 2.66 chs. Sloping bank 5 to 20 ft. high. At the beginning of course, leave squaw bushes, bears NW. and SE. To the meander cor. of fractional secs. 16 and 21.
- Land; nearly level bottom land known as Long Bottoms.
- Soil; sandy loam and a dark loam several ft. deep.
- Timber; scattering to a dense growth of cottonwood; scattering cottonwood and willows along edge of stream.
- Undergrowth; greasewood, rabbit brush, willows and squaw bushes.
- Fair growth of salt grass.

Thence in sec. 16.

Along rocky, sloping bank, over boulders and through scattering greasewood and cedar.

N. $12^{\circ}45' E.$ 5.10 chs. Bank 6 ft. high.

N. $20^{\circ} E.$ 2.00 " Bank 6 ft. high.

N. $17^{\circ} E.$ 2.87 " Bank 7 ft. high.

N. $16^{\circ}30' E.$ 5.30 chs. Bank 7 ft. high.

N. $51^{\circ} W.$ 3.60 " At the beginning of course, leave rocky, sloping bank; over sandy shore, through grove of cottonwood, bearing NW and SE.

N. $18^{\circ}45' W.$ 6.90 chs. At 4.90 chs., leave sandy shore;

over sloping sandy bank 6 ft.

high; at 5.00 chs., leave grove of cottonwood, bears NW. and SE.

N. $9^{\circ}15' E.$ 5.90 chs. Along low sloping bank, through a medium growth of greasewood.

N. $3^{\circ} W.$ 4.00 chs.

N. $1^{\circ}30' E.$ 10.80 " At the beginning of course, greasewood becomes more scattering.

Meanders of T. 17 S., R. 17 E.

- N. $12^{\circ}30'W.$ 3.70 chs.
- N. $33^{\circ}45'E.$ 12.20 " At 6.00 chs., dry wash, 20 lks. wide, 3 ft. deep, course NW.; over rocky, sloping and sandy bank, through dense shadscale, rabbit brush and greasewood.
- N. $58^{\circ}45'E.$ 8.40 chs. At the end of course, undergrowth becomes more scattering; leave sloping bank; over perpendicular bank 7 ft. high.
- S. $89^{\circ}30'E.$ 7.70 chs. At 7.60 chs., dry wash, 80 lks. wide, 10 ft. deep, course N.; bank 8 ft. high; undergrowth becomes more dense.
- S. $85^{\circ}E.$ 3.70 chs. Bank 10 ft. high.
- S. $78^{\circ}45'E.$ 4.40 chs. Bank 8 ft. high. At 3.20 chs., dry wash, from Three Ford Canyon, 130 lks. wide, 10 ft. deep, course N.
- S. $61^{\circ}E.$ 9.70 chs. Bank 8 ft. high. At the beginning of course, W. end of rapids in river, bears N.; at 6.80 chs., dry wash, 70 lks. wide, 12 ft. deep, course N. $20^{\circ}E.$; at 8.75 chs., the main traveled trail in the bottom of Green River Canyon, bears NE. and SW.
- N. $60^{\circ}15'E.$ 2.70 chs. Bank 8 ft. high. At the beginning of course, leave dense shadscale, rabbit brush and greasewood, bears NW. and SE., and enter scattering shadscale, yellow top and cedar; at 1.30 chs., enter grove of cottonwood, bears NW. and SE.

Meanders of T. 17 S., R. 17 E.

N. $39^{\circ}30' E.$ 11.30 chs. At 1.20 chs., leave perpendicular bank; over rocky sloping bank; mouth of draw, course N. $70^{\circ}W.$; leave grove of cottonwood and cedar, bears NW. and SE.

N. $34^{\circ}E.$ 7.40 chs. Along sloping bank, over large boulders and broken ledges, through scattering shadscale, rabbit brush and service-berry bushes to meander cor.

N. $25^{\circ}45' E.$ 4.20 chs. To the meander cor. of fraction-
secs. 15 and 16.

Land; rough sloping banks in the narrows of canyon, S. four and N. four courses; remainder of lines over gently rolling bottom land.

Soil; shallow and rocky red sand in the narrows of canyon; sandy loam several ft. deep on the bottom land.

Timber; cottonwood and a few scattering cedar; cottonwood and willows scattered along edge of stream.

Undergrowth; shadscale, rabbit brush, greasewood, yellow top and service-berry bushes.

Sandstone formation.

Fair growth of bunch grass and salt grass.

Thence in sec. 15.

Along sloping bank, through scattering shadscale and service-berry bushes, over boulders and outcroppings.

N. $29^{\circ}E.$ 2.35 chs.

N. $10^{\circ}30' E.$ 1.50 chs. To the meander cor. of fraction-
secs. 10 and 15.

Land; rough sloping banks in narrows of canyon.

Soil; shallow and rocky red sand.

Timber; a few scattering cottonwood.

Undergrowth; scattering shadscale and service-berry bushes; willows and squaw bushes along edge of water.

Meanders of T. 17 S., R. 17 E.

	Sandstone formation. Scattering growth of bunch grass.
	Thence in sec. 10.
	Along sloping bank, over outcroppings, through scattering shadscale and service-berry bushes.
	N. $6^{\circ}E.$ 4.40 chs.
	N. $7^{\circ}30'W.$ 5.00 "
	N. $19^{\circ}54'W.$ 3.59 " At the beginning of course, leave rocky, sloping bank; over low sandy bank, through dense willows and squaw bushes; at 3.00 chs., leave willows and squaw bushes, bears NE. and SW. To the meander cor. of fractional secs. 9 and 10.
	Land; rough sloping banks in the narrows of canyon, S. two courses; nearly level bottom land, N. course.
	Soil; rocky, shallow red sand on sloping banks; red sand several ft. deep in the river bottoms.
	Undergrowth; shadscale, service-berry bushes, willows and squaw bushes; scattering willows and squaw bushes along edge of water.
	No timber. Sandstone formation. Scattering growth of salt grass and bunch grass.
	Thence in sec. 9.
	Over bottom land, along low sandy bank, through a medium growth of willows, squaw bushes and greasewood.
	N. $49^{\circ}15'W.$ 2.50 chs.
	N. $26^{\circ}30'W.$ 5.10 " At 2.00 chs., leave willows and squaw bushes, bears NE. and SW.; over/barren sandy bank; at 4.20 chs., dry wash, 50 lks. wide, 5 ft. deep, coarse S. $30^{\circ}W.$

Meanders of T. 17 S., R. 17 E.

Before cross island	N. $24^{\circ}W.$	2.10 chs.	At the beginning of course, enter scattering cottonwood; at 1.80 chs., enter a medium growth of squaw bushes, sagebrush, greasewood and rabbit brush, bears NE. and SW.
After cross island	N. $12^{\circ}30'W.$	2.20 chs.	
After cross island	N. $29^{\circ}W.$	4.20 chs.	At 3.30 chs., leave scattering cottonwood.
After cross island	N. $4^{\circ}W.$	1.10 chs.	
North		1.80	
	N. $23^{\circ}45'E.$	2.80 chs.	At 0.50 chs., enter scattering cottonwood.
	N. $49^{\circ}E.$	2.80 chs.	At 2.10 chs., dry wash, 40 lks. wide, 10 ft. deep, course NW.
	N. $42^{\circ}36'E.$	6.44 chs.	At the beginning of course, leave low sloping banks; over sloping banks 8 to 15 ft. high; lower end of island, bears NW. To the meander cor. of fractional secs. 9 and 10.
	Land	gently rolling bottom land; low sloping, sandy banks.	
	Soil	red sand and sandy loam several ft. deep; more shallow away from high water mark.	
	Timber	cottonwood, and a few cedar.	
	Undergrowth	willows, squaw bushes, greasewood, rabbit brush and sagebrush; willows and squaw bushes along edge of stream.	
		Scattering growth of salt grass and bunch grass.	

Thence in sec. 10. Over level bottom land, through a medium growth of greasewood and sagebrush.

M. $70^{\circ}E.$ At 1.10 chs. Vertical bank 8 to 15 ft. high.

Meanders of T. 17 S., R. 17 E.

		At 10.80 chs., the main traveled trail in the bottom of Green River Canyon, bears N.15°E. and S.15°W.
	N.11°30' E.	4.30 chs. At the beginning of course, leave greasewood and sagebrush, bear E. and W.; over perpendicular barren bank 10 ft. high; at 0.40 chs., the main traveled trail in the bottom of Green River Canyon, bears N.20°E. and S.20°W.; at 1.50 chs., enter a grove of cottonwood, bears E. and W..
	N.9°45' W.	5.00 chs. Bank 8 ft. high. At 1.00 ch., leave grove of cottonwood, bears NW. and SE., and enter scattering greasewood, sagebrush and cottonwood.
	N.14°15' W.	4.00 chs. Bank 8 ft. high.
	N.33°W.	7.20 " Bank 6 ft. high. At the beginning of course, upper end of island bears SW.; leave undergrowth; at the end of course, leave high bank; over sandy shore. Along the last four courses the bank is rapidly wearing away by action of the current which sets strong currents flowing down against the bank.
	N.26°W.	3.60 chs.
	N.8°W.	7.50 " At 2.70 chs., enter a medium growth of greasewood and sagebrush, bears E. and W.; at 5.60 chs., cottonwood becomes more dense.

Meanders of T. 17 S., R. 17 E.

N. $26^{\circ}30'W.$ 3.90 chs. At the beginning of course, leave sandy shore; over sandy bank 5 to 8 ft. high.

N. $29^{\circ}15'E.$ 2.20 chs. At the end of course, cottonwood becomes more scattering. Bank 4 ft. high, to meander cor.

N. $43^{\circ}29'E.$ 3.35 chs. To the meander cor. of fractional secs. 3 and 10.

Land; gently rolling and level bottom land.

Soil; red sand and dark sandy loam several ft. deep; more shallow and rocky away from high water line.

Timber; cottonwood; a few scattering cedar.

Undergrowth; sagebrush and greasewood; dense willows and squaw bushes along edge of stream.

Scattering growth of salt grass and bunch grass.

Thence in sec. 3.

Over level bottom land, through a medium growth of greasewood.

N. $35^{\circ}09'E.$ 3.51 chs. Bank 8 ft. high. At 2.30 chs., dry wash from SE., 90 lks. wide, 10 ft. deep, course NW.

N. $9^{\circ}30'W.$ 1.80 chs. Bank 6 ft. high.

N. $10^{\circ}30'W.$ 2.50 " Bank 6 ft. high.

N. $45^{\circ}W.$ 3.40 " Bank 5 ft. high.

N. $54^{\circ}30'W.$ 5.00 " Bank 5 ft. high. Along all of

the courses the bank is rapidly wearing away by action of the water which sets strong against the banks. To the meander cor. of fractional secs. 3 and 4.

Land; level bottom land.

Soil; dark sandy loam several ft. deep; more shallow and rocky away from river bank.

Meanders of T. 17 S., R. 17 E.

		Timber; groves of cottonwood in dry river bed; scattered cottonwood along edge of water.
		Undergrowth; medium growth of greasewood.
		Scattering growth of salt grass.
		Thence in sec. 4.
		Over gently rolling bottom land, through a medium growth of greasewood and sagebrush.
	N.62°30'W.	6.50 chs. Sloping, sandy bank 5 to 8 ft. high.
	N.50°W.	1.60 chs. Sloping bank 5 ft. high.
	N.32°30'W.	1.40 " Sloping bank 5 ft. high. At the beginning of course, leave greasewood, bears NE. and SW.; continue through dense sagebrush.
	N.2°15'E.	5.30 chs. Low sloping bank.
	N.25°45'W.	4.90 " At the beginning of course, leave sandy bank; over rocky, sloping bank 4 to 6 ft. high, through scattering cedar; at 2.90 chs., lower end of rapids bears SW.
	N.32°45'W.	5.00 chs. Rocky, sloping bank, 4 to 6 ft. high. At the beginning of course, leave scattering cedar, and enter scattering cottonwood.
	N.15°30'W.	0.80 chs. At the beginning of course, leave scattering cottonwood and dense sagebrush, bears NE. and SW.; along nearly vertical and rocky bank 10 to 15 ft. high.
	N.7°30'W.	1.00 ch. Along nearly vertical rocky bank 15 to 20 ft. high.

Meanders of T. 17 S., R. 17 E.

- N. $60^{\circ}30' E.$ 1.20 chs. Nearly vertical rocky bank 10 to 20 ft. high. Along the last three courses the bank is rapidly wearing away by action of the current which sets strong against the bank during the high water season.
- N. $20^{\circ}W.$ 9.30 chs. At the beginning of course, along sandy bank 5 to 8 ft. high, through scattering cottonwood and a medium growth of sagebrush, bearing NE. and SW.; at 0.90 chs., Florence Creek, clear water, 10 lks. wide, 8 ins. deep, in wash, 220 lks. wide, 15 ft. deep, from E., course W.; at 3.10 chs., vertical bank 15 ft. high; leave scattering cottonwood; at 4.10 chs., upper end of rapids bears S. $70^{\circ}W.$; at 7.40 chs., sloping sandy bank, 8 to 15 ft. high.
- N. $32^{\circ}W.$ 3.70 chs. Sloping sandy bank, 8 ft. high.
- N. $4^{\circ}30' E.$ 1.60 " Along top of vertical conglomerate wall, 15 to 25 ft. high; enter scattering cedar.
- N. $23^{\circ}45' E.$ 1.50 chs. Along top of nearly vertical wall, 15 ft. high.
- N. $81^{\circ}E.$ 6.00 chs. Along top of nearly vertical wall, 10 to 15 ft. high.
- N. $72^{\circ}30' E.$ 8.80 chs. At 1.70 chs., leave scattering cedar and dense sagebrush, bears N. and S.; leave wall; over rocky sloping bank, through a medium growth of

Meanders of T. 17 S., R. 17 E.

		willows and service-berry bushes to meander cor.
	N.69°E.	1.81 chs. To the meander cor. of fractional secs. 3 and 4.
		Land; bottom land with low sandy banks; rocky and sloping banks, and vertical walls in the narrows of canyon. Soil; deep red sandy soil in the river bottoms; shallow and rocky red sand, and a dark soil on rocky banks and on top of walls.
		Timber; cedar and cottonwood.
		Undergrowth; greasewood, sagebrush, willows and service-berry bushes.
		Sandstone formation. Scattering growth of bunch grass.
		Thence in sec. 3.
		Along rocky, sloping bank, over boulders and through a medium growth of service-berry bushes.
	N.85°30'E.	3.20 chs.
	N.70°45'E.	7.90 " At 1.80 chs., wire fence, bears N. and S.; enter scattering sagebrush and rabbit brush; at 7.40 chs., enter dense squaw bushes and oak brush, bear N. and S.; leave rocky, sloping bank; over low sandy bank.
	N.65°15'E.	4.40 chs.
	N.12°30'E.	6.50 chs. At 1.00 chs., enter scattering willows and cottonwood; oak brush, squaw bushes and service berry bushes become more scattering; at 2.70 chs., pole fence, bears E. and W.; at 5.40 chs., pole fence, bears E. and W.; at 5.80 chs., stream of good clear water,

Meanders of T. 17 S., R. 17 E.

- 5 lks. wide, 6 ins. deep, from McPherson's ranch, course W.; leave cottonwood, oak, squaw bushes and service-berry bushes; continue through dense willows.
- North. 2.50 chs. At the beginning of course, leave willows, bears E. and W.; over low sandy bank, on the W. edge of alfalfa field, through scattering greasewood and rabbit brush.
- N. $11^{\circ}45' E.$ 3.70 chs. At 3.00 chs., sloping sandy bank 8 ft. high; enter a scattering growth of service-berry bushes and squaw bushes, bear E. and W.
- N. $16^{\circ}15' E.$ 4.40 chs. Sloping sandy bank, 8 ft. high.
- N. $4^{\circ}15' E.$ 4.10 " Sloping sandy bank, 6 ft. high; at 1.70 chs., leave alfalfa field, bears S. and E.; over low sloping sandy bank to meander cor.
- N. $19^{\circ}47' E.$ 1.76 chs. At 0.20 chs., wire fence, bears E. and W. To the meander cor. of fractional secs. 3 and 34, on the N. bdy. of the Tp., hereinbefore described.
- Land; rough sloping banks in narrows of canyon, S. three courses; nearly level river bottoms, N. six courses.
- Soil; very shallow and rocky red sand, and a dark soil in the narrows; sandy loam several ft. deep on the bottom land.
- Timber; cottonwood and oak.
- Undergrowth; service-berry bushes, squaw bushes, willows, rabbit brush and sagebrush; dense growth of willows and squaw bushes along edge of river.

Meanders of T. 17 S., R. 17 E.

Scattering growth of salt grass and bunch grass.

Meanders of the Right Bank of Green River, up Stream.

From the meander cor. of fractional secs. 6 and 31, on the S. bdy. of the Tp., heretofore described, Thence with meanders in sec. 31.

Along nearly vertical sandy bank in the narrows of canyon, through a medium growth of greasewood.

N.61°E. 3.10 chs. Bank 8 ft. high.

N.59°E. 4.50 " Bank becomes more rocky, 12 ft. high.

N.62°45'E. 6.40 "

N.64°45'E. 6.76 " Bank 8 ft. high. At the end of course, line passes over the extreme eastern point of ledge, 10 ft. high.

N.41°E. 1.16 chs. Along rough sloping bank, 10 ft. high. To the meander cor. of fractional secs. 31 and 32.

Land; rough, sloping and vertical banks in the narrows of canyon.

Soil; varies from a rocky, shallow red sand to a deep sandy loam.

Undergrowth; medium growth of greasewood; dense willows and squaw bushes along edge of stream.

No timber. Sandstone formation.

Fair growth of salt grass and bunch grass.

Thence in sec. 32.

Over rough sloping bank, through scattering greasewood.

N.74°E. 1.95 chs. At 1.75 chs., foot of nearly vertical wall, 70 ft. high, bears NE. and SW.; along top of wall, 60 to 80 ft. high, bearing N.60°E. and S.60°W., through scattering shadscale.

Meanders of T. 17 S., R. 17 E.

N.69°30'E.	4.20 chs.	
N.55°15'E.	2.80 "	
N.53°45'E.	2.60 "	
N.67°45'E.	7.00 "	
N.58°E.	5.30 "	
N.52°E.	6.10 "	At 0.20 chs., descend gradually along top of the wall, 5 to 15 ft. high, bearing N.60°E. and S.60°W.
N.42°E.	3.90 chs.	At the beginning of course, leave wall; over sandy bank, 3 ft. high, through scattering grease in river bottoms wood; several cottonwood trees on this course.
N.34°15'E.	4.70 chs.	
N.32°E.	4.60 "	
N.19°E.	2.40 "	
N.2°30'W.	4.00 "	At the end of course, leave low sandy bank; over sandy shore, through scattering cottonwood.
N.11°30'W.	6.00 chs.	
N.37°W.	2.60 "	
N.53°45'W.	5.00 "	At the end of course, leave shore; over low sandy bank.
S.73°45'W.	3.70 chs.	At the beginning of course, enter scattering growth of willows; continue along S. edge of large grove of cottonwood.
N.87°45'W.	4.50 chs.	At 3.00 chs., leave river bottoms; over nearly vertical bank, 8 ft. high.
N.85°45'W.	3.90 chs.	Bank 8 ft. high.
N.75°30'W.	2.10 "	Bank 6 ft. high.
N.78°W.	2.30 "	Bank 6 ft. high.
N.40°45'W.	2.10 "	Bank 8 ft. high.

Meanders of T. 17 S., R. 17 E.

N. $0^{\circ}15'W.$	2.80 chs.	Along low sandy bank.
N. $42^{\circ}15'W.$	1.60 "	" 03.2 .S 1.60 chs. H
N. $89^{\circ}W.$	1.90 "	" 03.2 .N 1.60 chs. H
S. $64^{\circ}45'W.$	1.40 "	" 00.3 .N 1.60 chs. H
S. $88^{\circ}W.$	3.60 "	At 0.10 chs., Range Creek of good clear water, 20 lks. wide, 6 ins. deep, in wash, 190 lks. wide, 4 ft. deep, course N.; leave S. edge of large grove of timber; continue through scattering cottonwood; at 1.60 chs., leave cottonwood; over perpendicular sandy bank, 8 ft. high, through a medium growth of willows and squaw bushes to meander cor. 03.2 .N 1.60 chs. H
S. $75^{\circ}30'W.$	2.20 chs.	To the meander cor. of fraction- al secs. 31 and 32... Land; vertical walls in the narrows of canyon; water beats against walls; level bottom land. Soil; deep sand and sandy loam in river bottoms. Timber; cottonwood. Undergrowth; scattering to a medium growth of greasewood; scattering to a dense growth of willows and squaw bushes along edge of stream.
Sandstone formation.	Fair growth of salt grass and bunch grass.	
<hr/>		
Thence in sec. 31.		
Over level bottom land, through dense squaw bushes and willows.		
S. $75^{\circ}W.$	1.09 chs.	At the end of course, undergrowth becomes more scattering. Bank 8 ft. high.
N. $86^{\circ}15'W.$	2.90 chs.	Bank 8 ft. high.

Meanders of T. 17 S., R. 17 E.

N. $74^{\circ}30'W.$	3.40 chs.	Bank 6 ft. high.
N. $60^{\circ}30'W.$	3.30 "	Bank 6 ft. high.
N. $44^{\circ}15'W.$	6.70 "	Bank 5 ft. high. A few boxelder along this course.
N. $28^{\circ}30'W.$	6.60 chs.	Bank 5 ft. high. Undergrowth becomes more dense, at the end of course.
N. $16^{\circ}W.$	5.00 chs.	Bank 6 ft. high. At the end of course, enter dense greasewood, bears NE. and SW.
N. $4^{\circ}30'W.$	4.70 chs.	Bank 6 ft. high, becomes more rocky from beginning of course. To meander cor. of fractional secs. 30 and 31.
Land; level bottom land.		
Soil; deep sand and sandy loam.		
Timber; a few boxelder.		
Undergrowth; willows, squaw bushes and greasewood; dense willows and squaw bushes along edge of stream.		
Good grazing of salt grass and bunch grass.		

Thence in sec. 30.

Over rough bank of boulders, through scattering greasewood.

N. $7^{\circ}E.$ 5.80 chs. Bank 6 ft. high.

N. $13^{\circ}30'E.$ 9.00 " Bank 6 ft. high. At 8.70 chs., broken along top of wall, 15 ft. high, bearing N. $15^{\circ}E.$ and S. $15^{\circ}W.$

N. $22^{\circ}15'E.$ 12.10 chs. At 1.50 chs., leave wall; along rocky, sloping bank; 5 ft. high.

N. $39^{\circ}30'E.$ 7.20 chs. At the end of course, leave rocky bank; along top of broken wall, 10 ft. high, bearing N. $70^{\circ}E.$ and S. $70^{\circ}W.$

Meanders of T. 17 S., R. 17 E.

N.76°E.	3.80 chs.	
N.50°E.	2.20 "	
N.36°E.	3.88 "	At 0.70 chs., leave wall; along low sandy bank; at 3.20 chs., enter dense willows, bears NW. and SE.; dry wash, 30 lks. wide, 6 ft. deep, from NW., course SE., at the mouth of canyon. To the meander cor. of fractional secs. 29 and 30.
		Land; rough sloping banks and low broken walls in the narrows of canyon.
		Soil; very shallow and rocky red sand; deep sandy loam
		Timber; a few boxelder. /on last course.
		Undergrowth; scattering greasewood; willows and squaw bushes along edge of river.
		Scattering growth of bunch grass. Sandstone formation.
		Thence in sec. 29.
		Over level bottom land, along sandy, sloping bank, through scattering greasewood.
N.80°45'E.	3.90 chs. Bank 8 ft. high.	
N.43°30'E.	2.50 " Bank 8 ft. high.	
N.23°30'E.	2.10 " Bank 8 ft. high.	
N.15°E.	4.10 " Bank 7 ft. high.	
N.4°15'E.	6.80 " Bank 8 ft. high. At the beginning of course, enter dense willows and greasewood, bear E. and W.	
N.17°15'W.	3.40 chs. Bank 10 ft. high.	
N.23°45'W.	4.40 " Bank 10 ft. high. At 2.50 chs., leave dense greasewood and willows, bear N.70°E. and S.70°W., and enter scattering greasewood, rabbit brush and squaw bushes.	
N.26°45'W.	3.50 chs. Bank 10 ft. high.	

Meanders of T. 17 S., R. 17 E.

N. $30^{\circ}15'W$. 3.80 chs. Bank 7 ft. high. At 3.50 chs., leave dense undergrowth, bears NE. and SW., and enter scattering willows and cedar; leave level bottom land; over rough bank of large boulders.

N. $19^{\circ}15'W$. 4.10 chs. At the beginning of course, leave willows; over sloping bank, 15 ft. high, of solid rock, through scattering service-berry bushes.

N. $27^{\circ}28'W$. 0.81 chs. Along sloping bank, 15 to 20 ft. high, over boulders and outcroppings. To the meander cor. of fractional secs. 29 and 30.

Land; level bottom land; rough sloping banks in narrows of canyon.

Soil; sandy loam several ft. deep on the bottom land.

Timber; a few scattering cedar.

Undergrowth; greasewood, rabbit brush, willows and squaw bushes; dense willows along edge of water.

Excellent grazing on the bottom land.

Sandstone formation.

Thence in sec. 30.

Over sloping bank of large boulders and outcroppings, along the foot of broken, sloping wall, 60 ft. high, through scattering timber and undergrowth.

N. $22^{\circ}34'W$. 10.85 chs. To the meander cor. of fractional secs. 19 and 30.

Land; rough sloping bank in the narrows of canyon.

Soil; very shallow and rocky red sand.

Timber; a few cedar and cottonwood.

Undergrowth; scattering willows and service-berry bushes; willows and squaw bushes along edge of water.

Sandstone formation. Very little grass.

Meanders of T. 17 S., R. 17 E.

Thence in sec. 19.

Over rough sloping bank of large boulders and outcroppings, through patches of willows and scattering cedar.

N. $17^{\circ}10'W$. 5.82 chs. At the end of course, desc. grad-
ually along top of bro/wall, 15
to 50 ft. high, bearing N. $10^{\circ}W$.
and S. $10^{\circ}E$.

N. $11^{\circ}30'W$. 3.80 chs.

N. $3^{\circ}45'W$. 8.10 " Wall becomes more broken over
boulders and outcroppings, bear-
ing N. and S.; at 2.00 chs.,
leave broken wall; over rough
sloping bank, through scattering
greasewood and willows.

N. $15^{\circ}30'E$. 4.00 chs.

N. $7^{\circ}30'E$. 3.10 " Greasewood becomes more dense.

N. $13^{\circ}E$. 3.10 "

At the beginning of course,
N. $39^{\circ}E$. 3.80 " dry wash, 160 lks. wide, 2 ft.
deep, from NW., course SE., at
the mouth of rugged ravine; enter
dense willows, squaw bushes
and greasewood, bear NW. and SE.,
at 3.20 chs., leave dense under-

growth, bears NW. and SE., and
enter scattering mountain rush,
shadscale and greasewood; con-
tinue along rough sloping bank,
over large boulders and out-
croppings to meander cor.

N. $55^{\circ}30'E$. 3.10 chs. To the meander cor. of fraction-
al secs. 19 and 20.

Land; rough sloping banks and broken walls.

Soil; very shallow red sand.

Timber; a few scattering cedar.

Undergrowth; willows, squaw bushes, greasewood, shadscale
and mountain rush. Sandstone formation. Fair grazing.

Meanders of T. 17 S., R. 17 E.

Thence in sec. 20.

Along sloping bank, over large boulders, through scattering greasewood.

N.56°15'E. 4.30 chs.

N.74°30'E. 7.00 "

S.57°E. 1.60 "

S.54°15'E. 7.40 chs. At 1.30 chs., dry wash, 15 lks.

wide, 2 ft. deep, course SW.; at 5.40 chs., leave rough bank; over bottom land, along sloping, sandy bank, through a medium growth of greasewood, bearing NE. and SW.

S.33°E. 5.00 chs. At 1.20 chs., enter dense willows and squaw bushes, bear NE. and SW.

S.4°15'E. 2.80 chs.

S.39°E. 1.20 "

At the beginning of course, leave willows and squaw bushes, bear NE. and SW.

S.3°15'E. 3.20 chs.

S.32°15'E. 5.00 "

S.41°45'E. 9.80 "

N.77°45'E. 7.10 "

N.69°E. 1.90 "

N.56°15'E. 6.30 "

A few scattering cottonwood on this course; at 4.30 chs., dry wash, 70 lks. wide, 4 ft. deep, course SE.

N.36°30'E. 4.00 chs.

At 1.20 chs., leave bottom land; along rocky, sloping bank, through scattering greasewood.

N.31°E. 2.00 chs.

At the beginning of course, leave rocky bank; over boulders, along top of broken wall, 3 to

Meanders of T. 17 S., R. 17 E.

- 15 ft. high, bearing northeasterly and southwesterly.
- N. $11^{\circ}10' E.$ 6.79 chs. Scattering cottonwood, but no undergrowth along the last two courses.
- N. $9^{\circ}15' E.$ 6.60 chs. At the beginning of course, leave wall; over sloping bank of large boulders, through a dense growth of willows and greasewood, bearing E. and W.
- N. $22^{\circ} E.$ 4.90 chs. At 1.50 chs., mouth of ravine, from NW.; greasewood and willows become more scattering; a few cottonwood on this course.
- N. $40^{\circ}15' E.$ 10.80 chs. At the beginning of course, leave undergrowth and bank of broken boulders; desc. along top of white sandstone wall 10 to 50 ft. high, bearing NE. and SW.; at 5.20 chs., leave wall; over rocky, sloping bank, through scattering yellow top and shale scale; at 8.70 chs., leave rocky bank and, scattering undergrowth, and enter dense willows, bears NW. and SE.; along sandy shore.
- N. $41^{\circ}30' E.$ 5.00 chs. At 2.70 chs., leave dense willow; bears NW. and SE., and enter scattering yellow top and shale scale; leave sandy shore; along abrupt shore, over boulders, broken ledges and outcroppings.
- N. $36^{\circ}15' E.$ 4.10 chs.
- N. $41^{\circ} E.$ 13.30 "

Meanders of T. 17 S., R. 17 E.

N. $42^{\circ}45' E.$ 3.50 chs. At the beginning of course, leave abrupt rough shore; along sloping sandy bank, through scattering yellow top, shadscale, greasewood and cedar to meander cor.; at 0.40 chs., dry wash, 30 lks. wide, 4 ft. deep, course S. $60^{\circ}E.$; at 1.50 chs., enter scattering cottonwood.

N. $58^{\circ}15' E.$ 3.80 chs. At 3.40 chs., dry wash, 25 lks. wide, 5 ft. deep, course S. $60^{\circ}E.$

N. $31^{\circ}15' E.$ 1.60 chs. To the meander cor. of fractional secs. 20 and 21, located on the E. bank of dry wash, 20 lks. wide, 5 ft. deep, draining S.

Land; gently rolling bottom land; rough sloping banks and shores in the narrows of canyon.

Soil; red sand and sandy loam several ft. deep in the river bottoms; very shallow red sand on rough banks.

Timber; cottonwood and cedar.

Undergrowth; willows, squaw bushes, greasewood, shadscale, and yellow top; scattering to a dense growth of willows and squaw bushes along edge of stream.

Sandstone formation.

Good growth of salt grass on the bottom land; scattering bunch grass.

Thence in sec. 21.

Over gently rolling bottom land, along sloping sandy bank, through scattering cottonwood, cedar, shadscale and greasewood.

N. $57^{\circ}45' E.$ 1.20 chs. Bank 7 ft. high.

Meanders of T. 17 S., R. 17 E.

N. $36^{\circ}30' E.$ 3.00 chs. Bank 7 ft. high. At 0.95 chs., dry wash, 12 lks. wide, 3 ft. deep, course S. $60^{\circ} E.$

N. $45^{\circ}15' E.$ 2.30 chs. Bank 3 to 10 ft. high. At 0.20 chs., dry wash, 90 lks. wide, 5 ft. deep, course SE.

N. $36^{\circ} E.$ 2.40 chs. Bank 4 to 8 ft. high. At 0.60 chs., enter a medium growth of greasewood, bears NW. and SE.

N. $80^{\circ} E.$ 2.80 chs. Bank 7 ft. high. At 1.40 chs., enter a grove of cottonwood, bears N. and E.

N. $17^{\circ}30' W.$ 1.80 chs. Bank 4 ft. high. At 1.00 ch., leave grove of cottonwood, bears N. $20^{\circ} E.$ and S. $20^{\circ} W.$

N. $66^{\circ}30' E.$ 3.10 chs. Bank 4 ft. high. At the beginning of course, greasewood becomes more scattering; at 1.00 ch., dry wash, 40 lks. wide, 4 ft. deep, course S. $20^{\circ} E.$; enter a grove of cottonwood, bears N. $20^{\circ} E.$ and S. $20^{\circ} W.$; enter scattering squaw bushes.

N. $16^{\circ}39' E.$ 3.10 chs. Perpendicular bank 8 ft. high. At 0.10 chs., leave squaw bushes and grove of cottonwood, bears N. $30^{\circ} W.$ and S. $30^{\circ} E.$; continue through scattering greasewood. To the meander cor. of fractional secn. 16 and 21.

Land; gently rolling river bottoms.

Soil; red sand and a sandy loam several ft. deep.

Timber; cedar and cottonwood.

Undergrowth; greasewood, shadscale and squaw bushes; scattering to a dense growth of willows and squaw bushes along edge of stream.

Meanders of T. 17 S., R. 17 E.

Scattering to a dense growth of salt grass and bunch grass.

Thence in sec. 16.

Over level bottom land, along perpendicular sandy bank, through a medium growth of greasewood and scattering squaw bushes.

N. 3° E. 2.90 chs. Bank 8 to 15 ft. high.

N. 37° E. 2.40 " Bank 12 ft. high.

N. $7^{\circ}30'W.$ 1.70 chs. Bank 8 ft. high. At the beginning of course, enter scattering cottonwood.

N. $58^{\circ}30'W.$ 2.60 chs. Bank 8 to 10 ft. high. At the beginning of course, the S. end of island which is covered with dense willows and cottonwood, bears E. about 2.50 chs. dist.

S. $85^{\circ}W.$ 2.10 chs. Along sloping sandy bank, 8 to 10 ft. high, from the beginning of course.

N. $29^{\circ}30'W.$ 5.00 chs.

N. $33^{\circ}30'W.$ 1.70 "

N. $7^{\circ}30'E.$ 3.00 " At the beginning of course, enter dense willows, bears E. and W.

N. $35^{\circ}15'E.$ 3.10 chs. At the beginning of course, leave sandy bank; over sloping bank of large boulders; at 1.20 chs., dry wash, 30 lks. wide, 3 ft. deep, at the mouth of ravine, course E.; leave greasewood and squaw bushes; willows become more scattering.

N. $17^{\circ}45'E.$ 1.90 chs.

N. $38^{\circ}15'E.$ 2.80 "

N. $44^{\circ}30'E.$ 2.90 "

Meanders of T. 17 S., R. 17 E.

- N. $50^{\circ}45' E.$ 5.50 chs. At the beginning of course, leave rocky bank; over sandy shore; at the end of course, the N. end of island bears E. about 3.00 chs. dist.
- N. $15^{\circ}45' E.$ 5.20 chs. At the beginning of course, leave sandy shore; over sloping bank of boulders; at 3.90 chs., dry wash, 80 lks. wide, 3 ft. deep, at the mouth of ravine, course SE.
- N. $11^{\circ}45' E.$ 5.90 chs. At the beginning of course, leave willows, and enter scattering shadscale and greasewood.
- N. $0^{\circ}45' W.$ 2.20 chs.
- N. $2^{\circ}30' E.$ 5.70 " At 4.00 chs., dry wash, 40 lks. wide, 3 ft. deep, at the mouth of ravine; course E.
- N. $32^{\circ} E.$ 2.60 chs.
- N. $30^{\circ}45' E.$ 13.80 " At 1.00 ch., leave scattering cottonwood.
- N. $44^{\circ}15' E.$ 6.90 chs. A few scattering cottonwood on this course; at 5.00 chs., enter scattering willows and squaw bushes; at 5.80 chs., dry wash, 30 lks. wide, 4 ft. deep, at the mouth of ravine, course SE.
- N. $71^{\circ}30' E.$ 10.30 chs. At the end of course, the W. end of rapids bears S.
- N. $78^{\circ} E.$ 2.60 chs. At 2.20 chs., leave rocky bank; along top of broken wall, 20 ft. high, bearing N. $80^{\circ} E.$ and S. $80^{\circ} W.$; leave willows and squaw bushes.

Meanders of T. 17 S., R. 17 E.

- S.88°15'E. 10.20 chs. At 4.90 chs., this course runs N. of the high water mark, 10 to 50 lks. dist., due to a series of abrupt limestone ledges, 10 to 40 ft. high; at 9.30 chs., the line passes N. of the high water mark, 50 to 70 lks. dist., on account of series of abrupt ledges, 10 to 40 ft. high; at the end of course, leave wall; over sloping, rocky bank.
- N.74°30'E. 3.90 chs. At 1.20 chs., leave rocky bank; over river bottoms, along sloping sandy bank, 6 ft. high, through scattering cottonwood.
- S.54°E. 1.80 chs. Perpendicular bank 5 to 8 ft. high. At the beginning of course, E. end of rapids bears S.
- S.85°E. 2.00 chs. Perpendicular bank 6 ft. high.
- N.72°30'E. 6.50 " Perpendicular bank 7 ft. high. At 0.20 chs., leave scattering greasewood and vertical bank; low along sloping/sandy bank, through scattering squaw bushes.
- N.59°30'E. 5.30 chs. Along sandy shore; at 4.00 chs., low leave shore; along/sloping sandy bank; enter grove of cottonwood, bears E. and W.; S. end of rapids bears E.
- N.20°E. 4.20 chs. At 1.80 chs., dry wash, 90 lks. wide, 3 ft. deep, course SE.; leave grove of cottonwood, bears E. and W.

Meanders of T. 17 S., R. 17 E.

N. $39^{\circ}49' E.$. . 2.03 chs. At the beginning of course, enter dense greasewood, bears NW. and SE.; N. end of rapids bears E. along low sandy bank. To the meander cor. of fractional secs. 9 and 16.

Land; rough sloping banks and bottom land.

Soil; deep sand and sandy loam in the river bottoms; very shallow and rocky red sand on the rough banks.

Timber; cottonwood and cedar.

Undergrowth; greasewood, willows, squaw bushes and shad-scale; scattering to a dense growth of willows and squaw bushes along edge of water.

Formation; sandstone and limestone.

Scattering growth of bunch grass; fair growth of salt grass in river bottoms.

Thence in sec. 9.

Over river bottoms, along low sandy bank, through a medium growth of cedar, cottonwood, sagebrush and greasewood.

N. $19^{\circ}45' E.$. . 4.10 chs.

N. $2^{\circ}45' W.$. . 2.30 chs.

N. $38^{\circ}30' W.$. . 4.30 chs. From the beginning of course, along sloping sandy bank, 6 to 10 ft. high.

N. $34^{\circ}W.$. . 5.40 chs. At the beginning of course, cottonwood becomes more scattering.

N. $48^{\circ}W.$. . 1.00 chs.

N. $63^{\circ}W.$. . 3.70 chs. At the beginning of course, leave scattering cedar.

N. $5^{\circ}15' W.$. . 2.90 chs. At the beginning of course, enter scattering willows; leave high bank; over low sloping sandy bank.

Meanders of T. 17 S., R. 17 E.

- SS of S N. $28^{\circ}45'W$. 4.30 chs.
- N. $11^{\circ}E$. 3.20 " At the beginning of course, leave low bank and river bottoms; along rocky sloping bank; at 0.10 chs., leave cottonwood, sagebrush and greasewood, bear E. and W.; dry wash, 20 lks. wide, 2 ft. deep, course E.; at 0.70 chs., leave rocky bank; along top of broken wall, 10 ft. high, bearing N. $10^{\circ}E$. and S. $10^{\circ}W$.
- N. $42^{\circ}15'E$. 2.80 chs. At the beginning of course, leave willows; at 0.50 chs., along top of same wall, 5 ft. high, bearing NE. and SW.
- N. $8^{\circ}30'E$. 5.00 chs. At 0.70 chs., leave wall; along rocky sloping bank, 12 ft. high; at 4.00 chs., enter scattering cottonwood.
- N. $14^{\circ}15'E$. 3.30 chs. At 1.30 chs., dry wash, 120 lks. wide, 2 ft. deep, course E.; leave rocky bank; over sloping sandy bank, 5 to 12 ft. high; enter dense greasewood and rabbit brush; bear NW. and SE.
- N. $36^{\circ}45'E$. 4.30 chs. At 0.40 chs., dry wash, 50 lks. wide, 4 ft. deep, course SE.; leave dense rabbit brush and greasewood, bear NW. and SE., and enter scattering; S. end of barren island bears E. about 3.00 chs. dist.
- N. $30^{\circ}E$. 3.30 chs. At 2.40 chs., leave sandy bank; along rocky sloping bank, 10 ft. high.

Meanders of T. 17 S., R. 17 E.

N. $28^{\circ}15' E.$ 3.70 chs. Along rough sloping bank, 6 to 12 ft. high, over boulders from the beginning of course to meander cor.

N. $34^{\circ}15' E.$ 3.70 chs. At 2.60 chs., leave scattering cottonwood.

N. $32^{\circ}30' E.$ 2.80 chs.

N. $10^{\circ}30' E.$ 3.20, " At the end of course, the N. end of barren island bears E. about 3.00 chs. dist.

N. $2^{\circ}30' E.$ 4.00 chs.

N. $8^{\circ} W.$ 4.30 "

N. $6^{\circ}45' W.$ 4.40 "

N. $21^{\circ} W.$ 4.50 "

N. $20^{\circ}30' W.$ 2.50 "

N. $32^{\circ} W.$ 2.10 "

N. $29^{\circ} W.$ 3.30 "

N. $31^{\circ}48' W.$ 1.92 " To the meander cor. of fractional secs. 4 and 9.

Land; gently rolling bottom land; rough banks in the narrows of canyon.

Soil; deep sand and sandy loam in river bottoms; very shallow and rocky red sand on rough banks.

Timber; cottonwood and cedar.

Undergrowth; greasewood, rabbit brush, squaw bushes and willows; scattering to a dense growth of willows and squaw bushes along edge of stream.

Formation; red and brown sandstone.

Fair growth of salt grass on bottom land; scattering bunch grass.

Thence in sec. 4.

Along sloping bank in the narrows of canyon, over large boulders and outcroppings, through scattering greasewood and mountain rush.

Meanders of T. 17 S., R. 17 E.

N. $33^{\circ}45'W.$	1.17 chs.	Bank 12 ft. high.
N. $43^{\circ}15'W.$	1.70 "	Bank 8 to 12 ft. high.
N. $47^{\circ}15'W.$	6.10 "	Bank 6 to 10 ft. high.
N. $43^{\circ}30'W.$	8.80 "	Bank 4 to 6 ft. high. At 2.00 chs., leave bank; along rocky shore; at 3.70 chs., S. end of rapids bears N.E.; at 5.00 chs., leave rocky shore; along low on bottom land sandy bank, enter scattering cedar; at the end of course, enter grove of cottonwood, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
N. $2^{\circ}E.$	4.20 chs.	At the beginning of course, N. end of rapids bears E.
N. $4^{\circ}45'W.$	3.50 chs.	At 2.00 chs., S. end of rapids bears E.
N. $14^{\circ}W.$	4.00 chs.	At 3.30 chs., dry wash, 40 lks. wide, 3 ft. deep, course E.
N. $13^{\circ}15'E.$	3.20 chs.	At 2.20 chs., leave grove of cottonwood, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
N. $6^{\circ}45'W.$	3.30 chs.	At the beginning of course, enter scattering willows.
N. $3^{\circ}E.$	4.10 chs.	At the end of course, N. end of rapids bears E.
N. $42^{\circ}W.$	1.20 chs.	
N. $18^{\circ}15'W.$	2.40 "	
N. $3^{\circ}45'W.$	7.00 "	At 0.70 chs., dry wash, 40 lks. wide, 3 ft. deep, course E.; at 6.20 chs., dry wash, 50 lks. wide, 6 ft. deep, course E.
N. $12^{\circ}15'E.$	2.10 chs.	
N. $27^{\circ}E.$	6.00 "	
N. $52^{\circ}30'W.$	3.90 "	At the beginning of course, leave scattering cedar, grease wood and mountain rush, and

Meanders of T. 17 S., R. 17 E.

enter dense squaw bushes and sagebrush, bear NW. and SE.; leave low bank; along perpendicular sandy bank, 5 to 10 ft. high.

N. $81^{\circ}15' E.$. . 3.70 chs.

N. $72^{\circ}30' E.$. . 1.60 " At the beginning of course, enter scattering cottonwood and cedar.

N. $88^{\circ} E.$. . 1.80 chs.

N. $76^{\circ}45' E.$. . 2.70 "

N. $55^{\circ}30' E.$. . 1.30 " At the end of course, enter dense greasewood and scattering pak timber, bear. NW. and SE.

N. $62^{\circ}30' E.$. . 1.60 chs.

N. $40^{\circ} E.$. . 2.20 "

N. $44^{\circ}45' E.$. . 4.30 " At the beginning of course, leave perpendicular sandy bank; along low sandy bank. To the meander cor. of fractional secs. 3 and 4.

Land; rough sloping banks in the narrows of canyon; nearly level bottom land.

Soil; very rocky and shallow red sand on rough banks; deep red sand and sandy loam on level bottoms.

Timber; cottonwood, cedar and oak.

Undergrowth; greasewood, sagebrush, mountain rush, willows and squaw bushes; scattering to a dense growth of willows and squaw bushes along edge of water.

Scattering growth of bunch grass.

Sandstone formation.

Thence in sec. 3.

Over level bottoms, along low, sloping sandy bank, through a medium growth of sagebrush, scattering cedar and cottonwood.

Meanders of T. 17 S., R. 17 E.

N. 66° E. 3.70 chs. At 2.60 chs. leave sagebrush and enter dense squaw bushes, bearing NW. and SE.

N. $36^{\circ} 50'$ E. 8.40 chs. At 1.50 chs. leave scattering cottonwood; at the end of course a circular corral, 66 lks. in diam. and constructed of poles, bears N. 25° W. 1.00 ch. dist.

N. $15^{\circ} 15'$ E. 4.00 chs. At 3.20 chs. leave dense squaw bushes bearing NW. and SE.; and enter scattering sagebrush and greasewood; leave low sandy bank and level bottom land; along sloping, rocky bank, 8 to 15 ft. high to meander cor.

N. $36^{\circ} 45'$ E. 4.80 chs.

N. $6^{\circ} 45' W.$ 1.52 " At 0.80 chs. dry wash, 50 lks. wide, 25 ft. deep, course S. 70° E. To the meander cor. of fractional secs. 3 and 34, on the N. bdy. of the Tp., hereinbefore described.

Land, level bottom land; rough sloping banks in the narrow rows of canyon.

Soil, deep red sand and sandy loam in level bottoms; shallow and rocky red sand on rough banks.

Timber, cedar and cottonwoods.

Undergrowth, sagebrush, squaw bushes and greasewood; dense willows and squaw bushes along edge of stream.

Scattering growth of bunch grass.

Sandstone formation.

Note: In order to close Secs. 1 and 2 two triangulations using bases of different lengths, were made in determining the following distances and offsets:

Boundaries of T. 17 S., R. 17 E.

Distance from the cor. of Tps. 16 and 17 S., Rs. 17 and 18 E. to the witness $\frac{1}{4}$ cor. of Secs. 1 and 36; offset from the true point for cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp. to the offset line; offset from the $\frac{1}{4}$ cor. of secs. 2 and 35 on the N. bdy. of the Tp. to the offset line. To close sec. 4 the distance from the 61.45 chs. point on true line bet. secs. 4 and 33 on the N. bdy. of the Tp., to the witness $\frac{1}{4}$ cor. of Secs. 4 and 33 was double chained.

Note: Effort was made by running preliminary lines, to determine the possibility of surveying the sections left unsurveyed in this Tp., but the land was inaccessible, and therefore impossible to survey.

Latitudes, Departures, and Closing Errors.

Lines	Designated	True Bearing	Dist. chs.	Latitudes.		Departures.	
				N. chs.	S. chs.	E. chs.	W. chs.
W. Bdy. of Tp.	North.	320.00	320.00	.....	.....	.....	.....
Subdivision:							
Bet. Secs. 7 & 18	S. 89°47' E.	77.86	.....	0.29	77.86	.....	.....
Bet. Secs. 7 & 8	N. 0°03' W.	80.00	80.00	.....	.....	.....	0.07
Bet. Secs. 5 & 8	N. 89°41' E.	80.40	0.44	.....	80.40	.....	.....
Bet. Secs. 4 & 5	N. 0°14' W.	80.09	80.09	.....	.....	.....	0.33
North Bdy. of Tp.	East	320.00	.....	.....	320.00	.....	.....
East Bdy. of Tp.	South	80.00	.....	80.00	.....	.....	.....
Subdivision:							
Bet. Secs. 1 & 12 and 2 & 11	West.	160.00	.....	.....	.....	.....	160.00
Bet. Secs. 10 & 11	S. 0°01' E.	80.00	.....	80.00	0.02	.....	.....
Bet. Secs. 10 & 15	S. 89°57' W.	.78.59	.....	0.07	.....	.....	78.59
Meanders of left bank of Green River Sec. 15	S. 10°30' W.	1.50	.....	1.48	.....	.....	0.27
Sec. 15	S. 29°00' W.	2.35	.....	2.06	.....	.....	1.14
Subdivision:							
Bet. Secs. 15 & 16	S. 0°02' E.	76.48	.....	76.48	0.04	.....	.....
Bet. Secs. 15 & 22	N. 89°57' E.	40.08	0.03	.....	40.08	.....	.....
In Sec. 22	S. 0°02' E.	80.00	.....	80.00	0.05	.....	.....
Bet. Secs. 22 & 27	West	40.00	.....	.....	.....	.....	40.00
Bet. Secs. 27 & 28 and 33 & 34	S. 0°02' E.	160.00	.....	160.00	0.08	.....	.....
S. Bdy. of Tp.	West	238.10	.....	.....	.....	.....	238.10
Convergency						0.52	
T o t a l s			480.56	480.38	518.86	518.50	
			480.38		518.50		
Errors in lat and dep.			0.18		0.36		

General Description.

This township is located near the top and on the southwest side or break of the Tavaputs Plateau, and in a section of the range known as the Roan or brown cliffs.

It is very rugged, except a few portions in the southwest quarter of the township, which range from level narrow benches and mesas to rough mountains. The surface is cut by many deep chasms, gorges and canyons, some of which being separated from each other by sharp ridges of nearly all rock; and the myriad colored sandstone, jagged cliffs, pinnacles, crags and crevices, which cap these ridges, form a picturesque scene and rarity.

The eastern portion of the township is drained west into Green River by Spring Wash, Florence Creek and the forks of Three Ford Canyons; and the canyons of the western part drain east into the same river, which enters the township on the north boundary of section three, and has a general southwest course, leaving the township on the south boundary of section thirty-one.

In the river bottoms the elevation above sea level is approximately forty-three hundred feet, and the tops of the higher ridges are about six thousand feet.

The distance across the river varies from five to eight chains in the low water season, and from eight to sixteen chains in the high water period, and the stream has a fall in elevation of approximately fifteen feet per mile.

Sandstone of several different colors is the formation in the greater part of the township, although limestone predominates in the southwest portions, while red shale is found on some of the ridges.

The soil is a shallow, rocky red sand, lying on bed-rock, on the greater part of the township, but on the benches, mesas and rolling mountains in the southwest portion, the red sand lies on a white, chalky clay or on a

General Description.

brown clay subsoil, which varies in depth from a few inches to about one and one half feet, lying on bedrock. Deep sandy loam is found in places on the bottom land.

Cottonwood and boxelder are scattered and found in groves along Green River and Florence Creek, and also a few patches of large oak grow along the latter creek. Nearly all of the township has a sparse and scattering growth of cedar and pinon pine, which becomes more dense in the southwest part; and scattering fir and mahogany are found on the higher ridges.

Sagebrush is found along the bottom of Florence Creek Canyon, and dense willows, squaw bushes, rabbit brush and greasewood grow on the bottom land and along the banks of Green River; but shadscale, yellow top and mountain rush is the principal undergrowth on the greater part of the township.

A tract of land along Green River in section three, a few tracts along Florence Creek, and one at the mouth of Pine Canyon are the only pieces of ground suitable for farming purposes with irrigation; although in places along Green River, the bottom land with its deep sandy loam can be cultivated, but the land is subject to overflow.

The township is more adapted for a spring and fall range for cattle and sheep, and it is being used for that purpose at present; for the country is at about the proper altitude, with plenty of water nearby in the river and in the main canyons, and an abundant growth of bunch grass on the benches, mesas and on the lower sides of the canyons where the surface is not very rough.

James McPherson is the only settler in the township. He resides in the northwest quarter of section three, and has a good rock house, barns, granary, blacksmith shop and corrals; he has about twelve acres under cultivat-

General Description.

ion in section three, raising vegetables, alfalfa and nearly all kinds of fruit. Mr. McPherson also has several small tracts of land along Florence Creek, in sections one, two and three, producing crops of alfalfa, potatoes and corn. Several hundred head of cattle are kept on this ranch and the adjoining range.

The road running through sections one, two and three from McPherson's ranch house to his cultivated fields along Florence Creek, is the only road in the township; but there are two well traveled pack trails extending through the township, one on each bank of Green River. The greater part of the township is impassable.

Small seams and veins of coal are exposed in places on the sides of some of the canyons and washes, but I saw no indications of mineral or oil, and the land does not appear to have been prospected.

Water is located in this township as follows:

Florence Creek flows through the S. $\frac{1}{2}$ SE. $\frac{1}{4}$, NW. $\frac{1}{2}$ SE. $\frac{1}{4}$, N. $\frac{1}{2}$ SW. $\frac{1}{4}$ and the SW. $\frac{1}{2}$ NW. $\frac{1}{4}$ of section one; S. $\frac{1}{2}$ NE. $\frac{1}{4}$, NW. $\frac{1}{2}$ SE. $\frac{1}{4}$ and the N. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section two; N. $\frac{1}{2}$ SE. $\frac{1}{4}$, N. $\frac{1}{2}$ SW. $\frac{1}{4}$ and the SW. $\frac{1}{2}$ NW. $\frac{1}{4}$ of section three. Spring of good clear water: SE. $\frac{1}{2}$ NW. $\frac{1}{4}$ of section three. Green River flows through the W. $\frac{1}{2}$ NW. $\frac{1}{2}$ of section three; E. $\frac{1}{2}$ NE. $\frac{1}{4}$, SW. $\frac{1}{2}$ NE. $\frac{1}{4}$ and the SE. $\frac{1}{4}$ of section four; SW. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section three; E. $\frac{1}{2}$ NE. $\frac{1}{4}$ of section nine; W. $\frac{1}{2}$ NW. $\frac{1}{4}$ of section ten; E. $\frac{1}{2}$ SE. $\frac{1}{4}$ of section nine and the SW. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section ten; NW. $\frac{1}{2}$ NW. $\frac{1}{4}$ of section fifteen; E. $\frac{1}{2}$ NE. $\frac{1}{4}$, SW. $\frac{1}{2}$ NE. $\frac{1}{4}$, S. $\frac{1}{2}$ NW. $\frac{1}{4}$ and the SW. $\frac{1}{2}$ of section sixteen; N. $\frac{1}{2}$ NW. $\frac{1}{4}$, SW. $\frac{1}{2}$ NW. $\frac{1}{4}$ of section twenty-one; E. $\frac{1}{2}$ NE. $\frac{1}{4}$, SW. $\frac{1}{2}$ NE. $\frac{1}{4}$, N. $\frac{1}{2}$ SE. $\frac{1}{4}$, SW. $\frac{1}{2}$ SE. $\frac{1}{4}$, and the SW. $\frac{1}{2}$ of section twenty; E. $\frac{1}{2}$ SE. $\frac{1}{4}$ of section nineteen; NE. $\frac{1}{2}$ NE. $\frac{1}{4}$ of section thirty; NW. $\frac{1}{4}$ and the NW. $\frac{1}{2}$ SW. $\frac{1}{4}$ of section twenty-nine; SE. $\frac{1}{2}$ of section thirty; N. $\frac{1}{2}$ NE. $\frac{1}{4}$ and the SE. $\frac{1}{2}$ NE. $\frac{1}{4}$ of section thirty-one; NW. $\frac{1}{4}$, SW. $\frac{1}{2}$ NE. $\frac{1}{4}$ and the SW. $\frac{1}{2}$ of section thirty-

General Description.

two and the SE. $\frac{1}{4}$ SE. $\frac{1}{4}$ of section thirty-one. Seepage of alkali water in ravine in the SW. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section fifteen and the SE. $\frac{1}{4}$ SE. $\frac{1}{4}$ of section sixteen. Small stream of alkali water in the N. fork of Three Ford Canyon, flows through the SW. $\frac{1}{4}$ SE. $\frac{1}{4}$ and the SE. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section fifteen, and the NE. $\frac{1}{4}$ NW. $\frac{1}{4}$ of section twenty-two. Small stream of slightly alkali water, in Spring Wash Canyon, rises in the SW. $\frac{1}{4}$ SE. $\frac{1}{4}$ of section twenty-nine, and flows through the NW. $\frac{1}{4}$ NE. $\frac{1}{4}$ of section thirty-two, E. $\frac{1}{2}$ SW. $\frac{1}{4}$ and the NW. $\frac{1}{4}$ SW. $\frac{1}{4}$ of section twenty-nine. Range Creek flows through the W. $\frac{1}{2}$ SW. $\frac{1}{4}$, NE. $\frac{1}{4}$ SW. $\frac{1}{4}$, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$ and the S. $\frac{1}{2}$ NE. $\frac{1}{2}$ of section thirty-one; and through the SW. $\frac{1}{4}$ NW. $\frac{1}{4}$ of section thirty-two, into Green River. Seepage of good water in ravine in SW. $\frac{1}{4}$ NE. $\frac{1}{4}$ of section twenty-two. Very respectfully,

J. C. Clark

U. S. Surveyor.

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Glen W. Stout	1st. Assistant.
E. W. Hoopes	2nd. Assistant.
Ralph Chamberlin	2nd. Assistant.
Alvin Mawson	Cornerman.
Theodore R. Hoopes	Axman.
Ralph Chamberlin	Flagman.
The above assistants were employed by me during the survey of T. 17 S., R. 17 E.	

CERTIFICATE OF UNITED STATES SURVEYOR.

I, J. C. Clark, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah, bearing date of the 22nd day of January, 1916, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the North Boundary, East Boundary and the Subdivision of T. 17 S., R. 17 E. and the Meanders of Green River in Township 17 South, Range 17 East

of the Salt Lake Base

and Meridian, in the State of Utah, which are represented and date diagram on page 1 of same and on the dates shown on the foregoing field notes as having been executed by me, and under my direction, and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

J. C. Clark
U. S. Surveyor

Salt Lake City, Utah.

APPROVAL.

April 18, 1921.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 25, 1921

The foregoing field notes of the survey of portions of the east and north boundaries and subdivisional lines; and the meanders of Green River in Township No. 17 South, Range No. 17 East of the Salt Lake Base and Meridian, Utah;

executed by

J. C. Clark

under his special instructions dated January 22, 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

B. D. Berenson
U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.

JAN 25 1922

4-679

BOOK A-453

FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY OF T. 10 S., R. 3 W.; RETRACEMENT AND RESURVEY

OF A PORTION OF THE EAST AND WEST BOUNDARIES;

THE RETRACEMENT AND RESURVEY OF A

PORTION OF THE SUBDIVISION;

AND

THE SUBDIVISION OF A PORTION OF T. 10 S., R. 3 W.

Of the Salt Lake Base and Meridian,

in the State of Utah

EXECUTED BY

Jos. C. Thoma,

Cadastral Engineer,

in the capacity of U.S. Surveyor, under Special Instructions dated October 18, 1916 and Hon. Com.'s letter "E" ATH dated April 29, 1920

sued by the United States Surveyor General to govern surveys included in Group

59, which were approved by the Commissioner of the General Land

Office, November 24, 1916, and Assignment Instructions dated June 9, 1917.

and supplemental assignment instructions dated June 6, 1921.

Survey commenced September 27th, 1917.

Survey completed June 27th, 1921.

BOOK A-453

INDEX DIAGRAM.

Township 10 South, Range 3 West.

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				12		10
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DATE DIAGRAM..

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						10-1-17	10-1-17
						10-12-17	9-28-17

Survey commenced September 27, 1917, and executed with Buff. & Buff mountain transit No. 9218, equipped with a full vertical circle and the Smith solar attachment; unless otherwise specified all azimuth determinations are accomplished with the solar attachment.

All measurements are made with a Lallie steel tape 5 chains in length, compared with a standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined with a clinometer, and the slope measurements properly reduced to true horizontal distances.

At my station near the $\frac{1}{4}$ sec. cor. bet. secs. 2 and 11, approximate latitude $39^{\circ} 59'$ N., longitude $112^{\circ} 08'$ W., I examine the adjustments of the transit, correct all errors; then test the solar apparatus by comparing its indications hourly with the true meridian established by Polaris observations as follows:

September 28, 1917, at 9h a. m., app. t., I set off $1^{\circ} 0' 57''$ S., on the decl. arc; $39^{\circ} 59'$ N., on the lat. arc, and determine a meridian with the solar, and find that a prominent tree on the horizon bears N. $0^{\circ} 02'$ E., approximately $1\frac{1}{2}$ miles dist.

With the instrument in the meridian as determined by my a. m. solar, I set off $2^{\circ} 00''$ S., on the decl. arc,

and at app. noon, observe the sun on the meridian, the resulting lat.. is $39^{\circ} 59'$ N.

At the same station I make a meridian observation of the sun for apparent noon:

Watch time of observation, 12h 19m 25s.

Watch fast of l.m.t., 12h 28m 38s.

September 28, 1917: At 3h 30m, p. m., app. t., with the lat. arc unchanged, I set off $2^{\circ} 03'$ S., on the decl. arc, and determine the meridian with the solar and note the tree on the horizon bears N. $0^{\circ} 02'$ E.

I use this as a reference line in making subsequent Polaris observation.

At the same station, at 5h 48m 22s, p. m., l. m. t., I make an hour angle observation on Polaris east of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the tree, E. to Polaris.

Mean horizontal angle from tree to Polaris,

$1^{\circ} 22' 00''$

Azimuth of Polaris, $1^{\circ} 24'$ E.

True bearing of tree, N. $0^{\circ} 02'$ E.

As all the solar observations during the usual hours of solar work come within $30''$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

For instrument test at the completion of 1917 surveys in this twp., see notes of survey of T. 8 S., R. 2 W., this Group.

September 28, 1917.

June 25, 1921: 9h 0m, a. m., app. t., I set off $39^{\circ} 57'$ N. on the lat. arc., $23^{\circ} 27'$ N. on the decl. arc, and determine a meridian with the solar, and note that a prominent tree on the horizon approximately $\frac{1}{2}$ mile N. of my station bears N. $0^{\circ} 20'$ E., my station being

Chains.

Accord. to my notes in the town of Eureka, Utah, near the centre of Sec.

13, T. 10 S., R. 3 W., in approximate latitude $39^{\circ} 57'$
N., longitude $112^{\circ} 07'$ W.

June 23, 1921: At the same station, I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude, ... = $73^{\circ} 29' 00''$
Reduced latitude, ... = $39^{\circ} 57' 28''$

Mean watch time of observation, = 12h 30m 00s
Watch fast local mean time, ... = 12h 28m 08s ✓

At app. noon, I set off $39^{\circ} 57' 30''$ N. on the lat. arc and observe the sun on the meridian, the resulting reading of the decl. arc is $23^{\circ} 26' 30''$ N., which agrees with the computed decl. of the sun.

At 3h 00m, p.m., app. t., with the lat. arc unchanged, I set off $23^{\circ} 27'$ N., on the decl. arc, and determine a meridian with the solar, and note the tree on the horizon bears N. $0^{\circ} 20'$ E.

At the same station, at 7h 25m 40s, p.m., l. m. t., I make an hour angle observation on Polaris, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the tree SW. to Polaris.

Mean horizontal angle from tree to Polaris,

$0^{\circ} 20' 45''$.

Azimuth of Polaris, nothing, the observation having been taken when Polaris was at lower culmination.

True bearing of tree, N. $0^{\circ} 20' 45''$ E.

As all the solar observations during the usual hours of solar work come within $45''$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Chains.

June 27, 1921: At the completion of the survey I test the solar apparatus by comparing its indications hourly with the true meridian established by Polaris observations June 23, 1921. At app. t., I set off $39^{\circ} 57'$ N. on the lat. arc; $23^{\circ} 21'$ N. on the decl. arc, and determine a meridian with the solar, and note the tree on the horizon bears N. $0^{\circ} 20'$ E. At app. noon, with the lat. arc unchanged, I observe the sun on the meridian, the resulting reading of the decl. arc is $23^{\circ} 20'$ N., which agrees with the computed decl. of the sun. At 3h 0m, p. m., app. t., with the lat. arc unchanged, I set off $23^{\circ} 20'$ N., on the decl. arc, and determine a meridian with the solar, and note the tree on the horizon bears N. $0^{\circ} 20'$ E. The instruments were kept in good adjustment during the execution of the survey; comparisons of meridians established by observations on Polaris and by the solar apparatus being frequently made.

RETRACEMENT AND RESURVEY OF PORTION OF THE E. BDY., T.

From the northwest cor. of T. 10 S., R. 2 W., which is granite, 20x12x6 ins. above ground, firmly set in mound of stone, mkd. and witnessed as described by the surveyor general. Along side of which is set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for the cor. of T. 10 S., R. 2 W., with brass cap mkd. as new original mrd. mds. mds. To the lower left is a small mound of stone, 1 ft. high, from which a maple, 6 ins. diam., bears S. $72^{\circ} 30'$ E., 188 lks. dist., mkd. T10S-R2W-S6-BT.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, SE. of cor.

Resurvey of Boundaries, T. 10 S., R. 3 W.

Chains.

- . South, on resurvey line along the W. bdy. of T. 10 S., R. 3 W. and the W. bdy. of sec. 6.
- Desc. over mountainous land, through dense sagebrush and scattering clusters of dense maple undergrowth.
- 0.80 Draw, 10 lks. wide, 3 ft. deep, drains N. 80° E., 20 ft. below twp. cor.; asc. gradually.
- 13.70 Spur, projects E., 100 ft. above draw; desc. gradually.
- 20.80 Old road, bears NE. and SW.
- 21.80 Wash in bottom of draw, 20 lks. wide, 6 ft. deep, drains NE., 75 ft. below spur; asc. gradually.
- 24.00 Spur, projects NE., 40 ft. above wash; desc.
- 29.60 Old road, bears E. and W.
- 31.10 Wash, 20 lks. wide, 3 ft. deep, drains NE., 20 ft. below spur; asc. gradually.
- 37.50 After diligent search, find no evidence of the old closing cor. for Tps. 9 and 10 S., R. 3 W.
- 39.84 Fall 36 lks. E. of the old $\frac{1}{4}$ sec. cor., which is a granite, 10x8x6 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.

Along side of which

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, on solid rock, in large mound of stone, for the reestablished $\frac{1}{4}$ sec. cor. for sec. 6, with brass cap mkd.

$\frac{1}{4}$

S. 6

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. The course of this half mile therefore is S. $0^{\circ} 31'$ W., and the dist. is 39.84 chs.

From the $\frac{1}{4}$ sec. cor.

S. $1^{\circ} 26'$ W., on resurvey line along the W. bdy. of sec.

6.

1.00 Spur, projects NE., 20 ft. above $\frac{1}{2}$ sec. cor.; desc. grad.

6.50 Old road, bears NW. and SE.

Resurvey of E. Bdy., T. 10 S., R. 3 W.

Chains.

- 12.40 Draw, drains NE., 30 ft. below spur; asc. gradually.
- 29.50 Spur, projects NE., 200 ft. above draw; desc. along the E. slope of ridge.
- 34.50 Enter dense maple and choke cherry undergrowth, bears E. and W.
- 39.78 Fall 74 lks. W. of the cor. of secs. 1, 6, 7 and 12, which is A granite, 14x6x6 ins. above ground, firmly set, mkd. and witnessed as described by the surveyor general. Along side of which Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 1, 6, 7 and 12, with brass cap mkd.

T 10 S	R 3 W	R 2 W
S 1	S 6	
S 12	S 7	

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The course of this half mile therefore is S. $0^{\circ} 22'$ W., and the dist. is 39.77 chs.

Land, rolling mountainous. Soil, light clay and gravel, covered with limestone boulders.

Timber, none.

Undergrowth, dense sagebrush, yellow top, choke cherry and maple brush.

Northern and northeastern exposure. Limestone formation.

Good grazing.

From the cor. of secs. 1, 6, 7 and 12.

S. $1^{\circ} 26'$ W., on retrace ment line along the E. bdy. of T. 10 S., R. 3 W., bet. secs. 7 and 12.

40.00 After diligent search, find no evidence of the old $\frac{1}{4}$ sec. cor., leave temp. point.

79.02 Fall 282 lks. E. of the cor. of secs. 7, 12, 13 and 18,

Resurvey of E. Bdy., T. 10 S., R. 3 W.

Chains.

which is

A granite, 16x12x8 ins., firmly set; mkd. and witnessed as described by the surveyor general.

Along side of which and the granite is

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 7, 12, 13 and 18, with brass cap mkd.

T 10 S

R 3 W

R 2 W

S 12 S 7

S 13 S 18

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The course of this line therefore is S. $3^{\circ} 29'$ W., and the dist. is 79.14 chs.

From the cor. of secs. 1, 6, 7 and 12.

S. $3^{\circ} 29'$ W., on resurvey line along the E. bdy. of T. 10 S., R. 3 W., bet. secs. 7 and 12.

Asc. over mountainous land, through scattering scrub cedar and pinon timber, scattering maples, and dense sagebrush and choke cherry undergrowth.

15.60 Crest of Eureka divide, bears E. and W.. 520 ft. above sec. cor. At this point I make diligent search for the closing cor. on the old Ft. Crittenden Military Reservation boundary and find no evidence of the cor. Desc. abruptly.

32.10 Old wood road, bears NE. and W.

39.57 Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the restored $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 12 S 7

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Resurvey of E. Bdy., T. 10 S., R. 3 W.

Chains.	
	From which
	A cedar, 8 ins. diam., bears N. 40° E., 87 lks. dist., mkd. $\frac{1}{4}$ S7 BT.
	A pinon, 14 ins. diam., bears S. 30° E., 110 lks. dist., mkd. $\frac{1}{4}$ S7 BT.
45.00	Ravine, drains SW., 630 ft. below crest of divide; asc. gradually.
59.40	Spur, projects SW., 80 ft. above ravine; desc. gradually.
67.00	Draw, 10 lks. wide, 2 ft. deep, drains SW., 120 ft. below spur; asc. gradually.
71.00	Spur, projects SW., 20 ft. above draw; desc. gradually.
72.50	Draw, 10 lks. wide, 2 ft. deep, drains SW., 20 ft. below spur; asc. gradually.
75.80	Spur, projects SW., 20 ft. above draw; desc. gradually.
79.14	The cor. of secs. 7, 12, 13 and 18.
	Land, mountainous.
	Soil, light clay and gravel, shallow and covered with limestone and granite boulders.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, scattering scrub maples, dense sagebrush, yellow top, black sage, service and choke cherry under- growth.
	Northern portion, northern exposure; southern portion, southern exposure. Limestone formation. Good grazing.
	Retracement of a portion of the W. Bdy., T. 10 S., R. 3 W.
80.5	From the cor. of secs. 1, 6, 7, and 12, on the W. bdy. of T. 10 S., R. 3 W., which is 31 1/2 mi. f.
	A limestone, 8x8x4 ins. above ground, firmly set; mkd. as described by the surveyor general.
	Along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 1, 6, 7 and 12, with brass cap mkd.

Retracement of Portion of W. Bdy., T. 10 S.,

R. 3 W.

Chains.

		T 10 S.
R 4 W	R 3 W	
S 1	S 6	
S 12	S 7	

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. North, retracing the W. bdy. of T. 10 S., R. 3 W., bet. secs. 1 and 6.

Asc. over rolling mountainous land, through dense sagebrush undergrowth.

6.40 Spur, projects S. 80° W., 30 ft. above sec. cor.; desc. gradually.

12.50 Draw, 10 lks. wide, 2 ft. deep, drains S. 80° W., 40 ft. below spur; asc. gradually.

21.40 Spur, projects SW., 70 ft. above draw; desc. gradually.

30.00 Draw, 10 lks. wide, 3 ft. deep, drains SW., 50 ft. below spur; asc. gradually.

35.74 Fall 7 lks. W. of the cor. of Tps. 9 and 10 S., R. 4 W., which is

An iron post, 3 ins. diam., 12 ins. above ground, firmly set. I change marks to agree with marks as described by the surveyor general.

Continue same line with continuous measurement.

38.50 Spur, projects SW., 50 ft. above draw; desc.

40.02 Fall 8 lks. W. of the NW. cor. of T. 10 S., R. 3 W., which is

An iron post, 3 ins. diam., 12 ins. above ground, firmly set, m'd. and witnessed as described by the surveyor general.

The course of this line therefore is N. $0^{\circ} 07'$ E., and the dist. is 40.02 chs.

Land, rolling mountainous.

Soil, light clay and loam, shallow and gravelly.

Timber, none.

Undergrowth, dense sagebrush, yellow top, service, bunch and sandgrass.

Retracement and Resurvey of Subdivision,

T. 10 S., R. 3 W.

Chains.

Western and northwestern exposure. Limestone formation.
Good grazing.

Retracement and Resurvey of Subdivision.

From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the twp., heretofore described.

S. $89^{\circ} 47'$ W., on retracement line bet. secs. 12 and 13.

40.20 Record dist. After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.; leave temp. point.

.79.08 Fall 23 lks. S. of the cor. of secs. 11, 12, 13 and 14, which is

A limestone, 14x12x5 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general, along side of which

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 11, 12, 13 and 14, with brass cap mkd.

T 10 S R 3 W

S 11 | S 12

S 14 | S 13

1917

from which

A pinon 8 ins. diam., bears S. $44^{\circ} 30'$ W.,
42 lks. dist.; mkd. T10S R3W S 14 BT.

A pinon, 12 ins. diam., bears N. 32° E.,
91 lks. dist., mkd. T10S R3W S12 BT.

A pinon, 16 ins. diam., bears N. 44° W.,
80 lks. dist., mkd. T10S R3W S11 BT.

No other trees within reasonable dist. suitable for bearing trees.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The course of this line therefore is S. $89^{\circ} 57'$ W., and the dist. is 79.08 chs.

From the cor. of secs. 7, 12, 13, and 18, on the E. bdy. of the twp.

Retracement and Resurvey of Subdivision,

T. 10 S., R. 3 W.

Chains.

- S. $89^{\circ} 57'$ W., on resurvey line bet. secs. 12 and 13.
 Desc. over mountainous land, through scattering scrub cedar timber, and dense sagebrush undergrowth.
- 3.50 Draw, 10 lks. wide, 2 ft. deep, drains SW.; asc. gradually.
- 4.90 Old road, bears N. and S.
- 11.50 Spur, projects SE., 70 ft. above draw; desc. gradually.
- 12.40 Draw, 10 lks. wide, 3 ft. deep, drains SE., 10 ft. below spur; asc. gradually.
- 22.90 Spur, projects S. 10° W., 150 ft. above draw; desc. gradually.
- 23.80 Start abrupt desc., bears N. and S.
- 27.70 Draw, 15 lks. wide, 4 ft. deep, drains SW., 110 ft. below spur; asc. gradually.
- 30.30 Spur, projects SW., approximately 6 chs., 10 ft. above draw; desc. gradually.
- 31.50 Start abrupt desc., bears N. and S.
- 34.10 Road, bears NW. and SE.
- 34.30 Ravine, drains SE., 90 ft. below spur; asc. gradually.
- 39.54 Proportional measurement: Set an iron, 3 ft. long, 1 in. diam.: 18 ins: in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\frac{1}{4} \text{ S } 12 \\ \text{S } 13$$

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

- 43.60 Ridge, bears N. and S., 230 ft. above ravine; desc. abruptly.

- 54.80 Ravine, drains SE., 250 ft. below ridge; asc. abruptly.

- 55.10 Old road, bears NE. and SW.

- 57.00 Utah Power & Light Co's. high tension power line bears NE. and SW.

- 71.60 Ridge, bears NE. and SW., 340 ft. above ravine; desc. abruptly.

- 79.08 The cor. of secs. 11, 12, 13 and 14.

Retracement and Resurvey of Subdivision,

T. 10 S., R. 3 W.

Chains.

Land, mountainous.

Soil, light red clay and gravel, shallow and covered with limestone and granite boulders.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, yellow top, black sage, buckbrush, service and choke cherry brush.

General southern exposure. Limestone and granite formation. Good grazing.

From the cor. of secs. 11, 12, 13 and 14.

S. $89^{\circ} 45'$ W., on retracement line bet. secs. 11 and 1440.14 Record distance. After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.; leave temp. point.

81.14 Fall 250 lks. S. of the cor. of secs. 10, 11, 14 and 15 which is A granite, 18x10x8 ins., set in mound of stone; marks illegible.

Along side of which

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 10, 11, 14 and 15, with brass cap mkd.

T 10 S R 3 W.

S 10	S 11
S 15	S 14

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The course of this line therefore is N. $88^{\circ} 29'$ W., and the dist. is 81.16 chs.

From the cor. of secs. 11, 12, 13 and 14.

N. $88^{\circ} 29'$ W., on resurvey line bet. secs. 11 and 14.

Desc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, service and buck brush undergrowth.

3.80 Old cabin and shaft bears N., approximately 75 lks.

Retracement and Resurvey of Subdivision.

Chains.	
9.70	Draw, 20 lks. wide, 4 ft. deep, drains NE., 220 ft. below sec. cor.; asc. gradually.
18.20	Spur, projects N., 20 ft. above draw; desc. gradually.
26.60	Old road, bears NE. and SW.
29.10	Wash in bottom of canon, drains SW.; wash is 50 lks. wide, 10 ft. deep, 100 ft. below spur; asc. gradually.
36.70	Spur, projects SW., 10 ft. above wash; desc. gradually.
40.58	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 11 $\frac{1}{4}$ S 14
	1917
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
41.50	Draw, 10 lks. wide, 4 ft. deep, drains S., 210 ft. below spur; asc. gradually.
43.30	Old road, bears N. and S.
58.10	Ridge, bears N. and S., 240 ft. above draw; desc.
73.30	Barbed wire fence nears N. and S.
81.16	The cor. of secs. 10, 11, 14 and 15. Land, mountainous. Soil, light red clay and gravel, shallow and covered with granite and quartzite boulders. Timber, scattering scrub cedar and pinon. Undergrowth, dense sagebrush, yellow top, black sage, buck and service brush. General southwestern exposure. Limestone formation. Good grazing.
40.00	From the cor. of secs. 10, 11, 14 and 15. North, on retracement line bet. secs. 10 and 11. After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.; leave temp. point.
80.00	After diligent search, find no evidence of the cor. of secs. 2, 3, 10 and 11; leave temp. point.

Retracement and Resurvey of Subdivision.

Chains.

- 40.30 From the $\frac{1}{4}$ sec. cor. for secs. 3 and 10, which is now the $\frac{1}{4}$ sec. cor. for sec. 10 only, which is A quartzite, 14x8x10 ins. set in mound of stone, marks illegible; along side of which passed from 1890 to 1917. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 10, with brass cap mkd. $\frac{1}{4} \text{ S } 10$, and bearing line left 80.00 from which A cedar, 12 ins. diam., bears S. $38^\circ 30'$ E., 34 lks. dist., mkd. $\frac{1}{4} \text{ S } 10 \text{ BT}$. No other trees within limits suitable for bearing trees. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. sec. 10. S. $89^\circ 54'$ E., on retracement line along the N. bdy. of sec. 10.
- 40.30 Record distance. After diligent search, find no evidence of the cor. of secs. 2, 3, 10 and 11, now the cor. of secs. 10 and 11 only. Leave temp. point.
-
- Restoration of the cor. of secs. 10 and 11. From the temp. point left 80.00/N. of the cor. of secs. 10, 11, 14 and 15, the temp. point left S. $89^\circ 54'$ E. 40.30 chs. from the $\frac{1}{4}$ sec. cor. for sec. 10 bears N. $60^\circ 27'$ E., 111 lks. dist. I restore the cor. of secs. 10 and 11, S. $60^\circ 27'$ W., 37 lks. from the temp. point on line on the N. bdy. of sec. 10.
- At this point Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the restored cor. of secs. 10 and 11, with brass cap mkd. $T \text{ 10 S R } 3 \text{ W}$
 $S \cdot 3$
- To 40.30 sec. 10, successive on line S. 11. 111 lks. dist. 80.00 from which

Retracement and Resurvey of Subdivision.

Chains.

196 lks. dist., mkd. T10S R3W S11 BT.
A cedar, 10 ins. diam., bears S. $25^{\circ} 15'$ E.,

A cedar, 8 ins. diam., bears S. $64^{\circ} 45'$ W.,
551 lks. dist., mkd. T10S R3W S10 BT.

The course of the E. half mile along the N. bdy. of sec. 10 therefore is N. $89^{\circ} 38'$ W., and the dist. is 39.98 chs.

The course of the mile bet. secs. 10 and 11 therefore is N. $0^{\circ} 28'$ E., and the dist. is 80.367 chs.

From the cor. of secs. 10, 11, 14 and 15.
N. $0^{\circ} 28'$ E., on resurvey line bet. secs. 10 and 11.

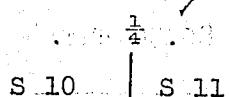
Asc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.

1.10 Barbed wire fence bears N. 60° E. and S. 60° W..

18.30 Spur, projects SW., 130 ft. above sec. cor.; desc. gradually.

21.90 Draw, 5 lks. wide, 2 ft. deep, drains SW., 20 ft. below spur; asc. gradually.

40.18 Proportional measurement. Set an iron post, 3 ft. long 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.



1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within reasonable distance suitable for bearing trees.

44.70 Spur, projects W., 240 ft. above draw; desc. gradually.

49.10 Start abrupt, desc., bears E. and W.

60.60 Road, bears NE. and SW.

65.50 Wash in bottom of canon, 20 lks. wide, 5 ft. deep, drains SW., 200 ft. below spur; asc. gradually.

80.36 The cor. of secs. 10 and 11.

Land, rolling mountainous.

Retracement and Resurvey of Subdivision.

Chains.

Soil, light red clay and gravel, shallow and covered with quartzite and limestone boulders.

Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush, yellow top, black sage, bitter brush, bunch and June grass.

Western exposure. Limestone formation. Good grazing.

From the $\frac{1}{4}$ sec. cor. for sec. 10:

N. $89^{\circ} 54'$ W., on retracement line along the N. bdy. of Sec. 10.

42.10 Fall 21 lks. S. of the cor. of secs. 3, 4, 9 and 10, now the cor. of secs. 9 and 10 only; hereinafter described. The course of this line therefore is N. $89^{\circ} 37'$ W., and the dist. is 42.10 chs.

N. $89^{\circ} 43'$ W., on retracement line along the N. bdy. of sec. 9.

40.11 Record distance. After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.; leave temp. point.

80.58 Intersect the cor. of secs. 4, 5, 8 and 9, now the cor. of secs. 8 and 9 only, hereinafter described. The course of this line therefore is N. $89^{\circ} 43'$ W., and the dist. is 80.58 chs.

West, on retracement line along the N. bdy. of sec. 8.

40.62 Fall 22 lks. S. of the $\frac{1}{4}$ sec. cor., hereinafter described. Continue same line with continuous measurement.

81.20 Fall 12 lks. N. of the cor. of secs. 5, 6, 7 and 8, now the cor. of secs. 7 and 8 only, hereinafter described. The course of the E. half mile therefore is N. $89^{\circ} 41'$ W., and the dist. is 40.62 chs.

The course of the W. half mile therefore is S. $89^{\circ} 31'$ W., and the dist. is 40.58 chs.

West, on retracement line along the N. bdy. of sec. 7.

Retracement and Resurvey of Subdivision.

Chains.	
40.04	Fall 2 lks. N. of the $\frac{1}{4}$ sec. cor., hereinafter described.
80.11	Fall 2 lks. N. of the cor. of secs. 1, 6, 7 and 12, on the W. bdy. of the twp., heretofore described.
	The course of the E. half mile therefore is S. $89^{\circ} 58'$ W., and the dist. is 40.04 chs. The course of the W. half mile, therefore, is West, and the dist. is 40.07 chs.
	From the cor. of secs. 10 and 11, N. $89^{\circ} 38'$ W., on resurvey line along the N. bdy. of sec. 10.
	Desc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.
4.00	Draw, 10 lks. wide, 3 ft. deep, drains S., 80 ft. below sec. cor.; asc. gradually.
4.90	Top of asc., bears N. and S., 20 ft. above draw; desc. gradually.
20.50	Draw, 10 lks. wide, 3 ft. deep, drains S., 150 ft. below top of asc.; desc. gradually.
24.50	Spur, projects S., 40 ft. above draw; desc. gradually.
27.40	Draw, 10 lks. wide, 2 ft. deep, drains S., 30 ft. below spur; asc. gradually.
32.40	Top of asc., bears N. and S., 20 ft. above draw; desc. gradually.
35.44	A westing of 40 chs. from the cor. of secs. 2 and 3. Set an iron post, 3 ft. long, 1 in. diam., $2\frac{1}{2}$ ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 3, with brass cap mkd.
	Bury wall stone, bearing according to <u>S. 3</u> , 10 lbs. double, fine, black, and adobe brick 1921, laid tight together.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No trees within limits suitable for bearing trees.
39.98	The $\frac{1}{4}$ sec. cor. for sec. 10, heretofore described.
	From the $\frac{1}{4}$ sec. cor.
	N. $89^{\circ} 37'$ W. on mid. of old fence.
2.50	Draw, 12 lks. wide, 2 ft. deep, drains SW., 110 ft. below

Resurvey of Subdivision, T. 10 S., R. 3 W.

Chains.	
6.20	Old road, bears N. and S. E. 10° 30' S. and S. 11° 15' E.
11.20	Top of asc., bears NE. and SW., 30 ft. above draw; desc. gradually. Land of sec. 10, to be carried off.
33.00	Draw, 10 lks. wide, 4 ft. deep, drains SW., 60 ft. below top of asc.; asc. gradually. Land to be carried off.
35.46	A westing of 80.00 chs. from the cor. of secs. 2 and 3. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 3 and 4, with brass cap mkd.
	T 10 S R 3 W .00 .00
	<u>S 4 | S 3</u>
	S 10
42.10	Land, open to view, rolling, soil of quartzite. Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. No trees within limits suitable for bearing trees. The cor. of secs. 9 and 10, which is
	A quartzite, 18x10x12 ins., set in mound of stone, marks illegible. Alongside of which
	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 9 and 10, with brass cap mkd.
	T 10 S R 3 W .00 .00
	<u>S 4</u>
	S 9 | S 10
	Land, open to view, 1917 date of last survey. Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor. No trees within limits suitable for bearing trees. Land, rolling mountainous.
	Soil, light red clay and coarse gravel, shallow and covered with limestone and quartzite boulders.
	Timber, scattering scrub cedar and piñon timber.
	Undergrowth, sagebrush, yellow top and black sage.
	Western exposure. Limestone formation. Good grazing.
	N. 89° 43' W., along the N. bdy. sec. 9 .00 .00

Resurvey of Subdivision, T. 10 S., R. 3 W.

Chains.

- Desc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.
- 11.20 Wash, 10 lks. wide, 1 ft. deep, drains SE., 20 ft. below sec. cor.; asc. gradually.
- 13.10 Old road, bears NE. and SW.
- 32.80 Spur, projects SW., 30 ft. above wash; desc. gradually.
- 33.36 A westing of 40 chs. from the cor. of secs. 3 and 4.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 4, with brass cap mkd.
- $\frac{1}{4}$ S 4

1921

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
- 40.29 Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 9, with brass cap mkd.
- $\frac{1}{4}$ S 9

1917

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. No trees within limits suitable for bearing trees.
- 41.90 Head of draw, drains S., 60 ft. below spur; asc. gradually.
- 67.70 Old road, bears NE. and SW.
- 67.90 Draw, drains SW., 210 ft. below spur; continue asc.
- 75.36 A westing of 80 chs. from the cor. of secs. 3 and 4.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 4 and 5, with brass cap mkd.

T 10 S R 3 W

S 5 | S 4

S 9

1921

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
- 80.58 The cor. of secs. 8 and 9, which is
A granite, 20x12x18 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.
- Along side of which

Resurvey of Subdivision, T. 10 S., R. 3 W.

Chains.	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 8 and 9, with brass cap mkd.
	T 10 S R 3 W S 5 S 9 1917
	A pinon, 6 ins. diam., bears S. 84° E., 272 lks. dist., mkd. T10S R3W S9 BT.
	A pinon, 8 ins. diam., bears S. 74° W., 191 lks. dist., mkd. T10S R3W S8 BT.
	Land, rolling mountainous.
	Soil, light red clay and gravel, shallow and covered with boulders.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush, black sage and scattering deer brush.
	Southern exposure. Limestone formation. Good grazing.
	N. $89^{\circ} 41'$ W., on resurvey line along the N. bdy. sec. 8. Asc. over rolling mountainous land, through scattering cedar and pinon timber, dense sagebrush undergrowth.
.10	Old road, bears NW. and SE.
12.30	Ridge, bear's NE. and SW., 70 ft. above sec. cor.; desc. gradually.
19.70	Draw, drains SW., 30 ft. below ridge; asc. gradually.
28.70	Spur, projects SW. 20 ft. above draw; desc. gradually.
32.78	A westing of 40 chs. from the cor. of secs. 4 and 5. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 5, with brass cap mkd.
	1921
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
35.70	Draw, drains SW., 30 ft. below spur; asc. gradually.

Resurvey of Subdivision, T. 10 S., R. 3 W.

Chains.

- 40.62 The $\frac{1}{4}$ sec. cor. for sec. 8, which is a limestone, 4x8x10 ins. above ground, firmly set, mkd. and witnessed as described by the surveyor general. Along side of which Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 8, with brass cap mkd.

$\frac{1}{4}$ S 8

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

No trees within limits suitable for bearing trees.

S. $89^{\circ} 31'$ W., with continuous measurement.

45.80 Draw, drains SW., 50 ft. below spur; asc. gradually.

54.50 Old road, bears NW. and SE.

56.10 Draw, drains SE., 40 ft. below spur; asc. gradually.

62.30 Old road, bears NW. and SE.

72.78 A westing of 80 chs. from the cor. of secs. 4 and 5.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 5 and 6, with brass cap mkd.

T 10 S R 3 W

S 6 | S 5
S 8

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

81.20 The cor. of secs. 7 and 8, which is a limestone,

10x8x4 ins. above ground, firmly set; mkd.

as described by the surveyor general. Along side of which

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in

the ground, for the cor. of secs. 7 and 8, with brass cap mkd.

S 6 | S 7

S 8

1917

	Chains.	
		from which
		A cedar, 4 ins. diam., bears S. 27° E.; 299 lks. dist., mkd. T10S R3W S8 BT.
		A cedar, 4 ins. diam., bears S. 37° W., 228 lks. dist., mkd. T10S R3W S7 BT.
		Soil, light red clay and gravel, shallow, and covered with boulders.
		Timber, scattering scrub cedar and pinon.
		Undergrowth, sagebrush, bitter brush and bunch grass.
		Southern exposure. Limestone formation. Good grazing.
		Spur, projects S., 80 ft. above sec. cor.; desc. gradually. Asc. over rolling land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.
13.60		Spur, projects S., 30 ft. above sec. cor.; desc. gradually.
20.60		Draw, 10 lks. wide, 2 ft. deep, drains S., 50 ft. below spur; asc. gradually.
26.80		Spur, projects S., 80 ft. above draw; desc. gradually.
31.58		A westing of 40 chs. from the cor. of secs. 5 and 6. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 6, with brass cap mkd.
		<u>$\frac{1}{4}$ S 6</u>
		1921
		Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
33.00		Draw, 10 lks. wide, 2 ft. deep, drains S. 10° E., 60 ft. below spur; asc. abruptly.
40.04		The $\frac{1}{4}$ sec. cor. for sec. 7, which is A limestone, 10x12x4 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general. Along side of which
		Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 7, with brass cap mkd.

Resurvey of Subdivision, T. 10 S., R. 3 W.

Chains.

42.00	Draw, 10 lks. wide, 3 ft. deep, drains SW., 90 ft. below spur; asc. gradually.
46.60	Spur, projects SW., 10 ft. above draw; desc. gradually.
54.90	Draw, 10 lks. wide, 2 ft. deep, drains SW., 70 ft. below spur; asc. abruptly.
59.60	Spur, projects SW., 50 ft. above draw; desc. gradually.
74.20	Draw, 10 lks. wide, 2 ft. deep, drains SW., 130 ft. below spur; asc. abruptly.
80.11	The cor. of secs. 1, 6, 7 and 12, on the W. bdy. of the twp., heretofore described. Land, rolling. Soil, red clay and gravel, shallow, covered with limestone boulders. Timber, scattering scrub cedar and pinon. Undergrowth, dense sagebrush, bitter brush, yellow top, June, sand and bunch grass. General southern exposure. Limestone formation. Good grazing.
6.35	North Boundary of T. 10 S., R. 3 W. From the NW. cor. of T. 10 S., R. 3 W., heretofore described, run east on random line along the N. bdy. of twp. The closing cor. for T. 9 S., Rgs. 3 and 4 W. (For cor. description, see true line notes.)
48.70	Computed distance. Set temp. $\frac{1}{4}$ sec. cor. I continue line East, setting temp. sec. and $\frac{1}{4}$ sec. cor. at intervals of 40 chs., and at
488.61	Intersect the E. bdy. of the twp., N. $0^{\circ} 31' E.$, 399 lks. from the $\frac{1}{4}$ sec. for sec. 6, T. 10 S., R. 2 W.

Chains.

(For description of $\frac{1}{4}$ sec. cor., see notes of resurvey
of the W. bdy. of sec. 6, T. 10 S., R. 2 W., this book.)

At point of intersection, ~~where~~ ^{where} true line is,
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
the ground, for the closing cor. for Tps. 9 and 10 S.,
R. 3 W., with brass cap md.

T 9 S	R 3 W	T 10 S
CC S 36	S 6	
S 1		
T 10 S	R 2 W	

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
No trees within limits suitable for bearing trees. Q.S.

From the closing cor. for Tps. 9 and 10 S., R. 3 W., .08
above described, ~~where~~ ^{where} true line is,
West, on true line on the N. bdy. of T. 10 S., R. 3 W.,
bet. secs. 1 and 36. ~~Survey line along true line~~

Desc. over mountainous land, through dense cedar and
pinon timber, scattering sagebrush and yellow top,
service and chokecherry undergrowth. ~~Survey line along true line~~

- 3.00 Draw, 10 lks. wide, 2 ft. deep, drains N., 10 ft. below
closing cor.; asc. gradually. ~~Survey line along true line~~
- 3.80 Old road, bears NW. and SE. ~~Survey line along true line~~
- 9.00 Spur, projects N., 100 ft. above draw; desc. gradually.
- 10.60 Draw, 10 lks. wide, 3 ft. deep, drains NW., 30 ft. below
spur; asc. abruptly. ~~Survey line along true line~~
- 16.40 Spur, projects NE., 110 ft. above draw; desc. gradually.
- 21.30 Old road, bears NE. and SW. ~~Survey line along true line~~
- 22.00 Wash in bottom of canon, 10 lks. wide, 2 ft. deep, drains
NE., 90 ft. below spur; asc. abruptly. ~~Survey line along true line~~
- 27.80 Spur, projects SE., 150 ft. above wash; desc. abruptly.
- 30.40 Ravine, drains SE., 40 ft. below spur; asc. over S. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., with brass cap md.

$\frac{1}{4}$ S 36
S 1

North Boundary T. 10 S., R. 3 W.

Chains.

77.00 Top from which 32 chains, or about 100 ft.,
descend, over a pinon, 18 ins. diam., bears S. 80° E.,
pinon said over 229 lks. dist., mkd. $\frac{1}{4}$ S1 BT.

77.00 A pinon, 10 ins. diam., bears N. 68° W.,

over 157 lks. dist., mkd. $\frac{1}{4}$ S36 BT.

77.10 Ridge, bears NE. and SW., 730 ft. above ravine; desc.

gradually over mountainous land, through dense

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for the cor. of secs. 1, 2, 35 and 36,
with brass cap mkd.

S 35	S 36
S 2	S 1

T 10 S

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

From this cor. U. S. M. M. No. 8, Tintic Mining District,
a pine post, 8"x8"x6 ft. above ground, firmly set,
marked as described by the surveyor general, bears
S. $9^\circ 40'$ E., 13.40 chs. dist.

Soil, light red clay and gravel, shallow and covered
with limestone and quartzite boulders.

Timber, dense scrub cedar and pinon.

Undergrowth; sagebrush, yellow top, black sage, service
and chokecherry brush; bunch and sand grass; and scatter-
ing clusters of dense maple.

General southern exposure. Limestone formation. Good
grazing.

West, on true line along the N. bdy. of twp., bet. secs.
2 and 35.

Desc. gradually over mountainous land, through dense
cedar and pinon timber, scattering sagebrush, yellow
top, buck, service and chokecherry brush, and scatter-
ing clusters of maple, oak, mahogany, and scrub oak
undergrowth.

North Boundary T. 10 S., R. 3 W.

Chains.

6.70	Head of ravine, drains NE., 40 ft. below sec. cor.; asc.
10.65	Crest of ridge bot. Tintic and Cedar Valleys, bears N. and S., 90 ft. above head of draw. From this point the closing cor. on the old Fort Crittenden Military Reservation boundary, bears S. $56^{\circ} 35'$ E., 146 lks. dist., which is
	A limestone, 12x12x4 ins. above ground, firmly set; mkd. as described by the surveyor general. In accordance with instructions I destroy this cor.
	Desc. abruptly.
24.60	Bottom of abrupt desc., bears N. and S.; desc. gradually.
29.60	Draw, 10 lks. wide, 4 ft. deep, drains SW., 310 ft. below crest of ridge; asc. gradually.
34.00	Spur, projects SW., 30 ft. above draw; desc. abruptly.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} S\ 35$ $\frac{1}{4} S\ 2$
	1917
	from which
	A pinon, 6 ins. diam., bears N. $57^{\circ} 30'$ W., 20 lks. dist., mkd. $\frac{1}{4} S\ 35$ BT.
	A pinon, 8 ins. diam., bears N. 4° E., 91 lks. dist., mkd. $\frac{1}{4} S\ 35$ BT.
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	No trees south of line suitable for bearing trees.
44.00	Bottom of canon, drains S., 210 ft. below spur; asc. abruptly.
61.20	Spur, projects SE., 420 ft. above canon; desc. gradually.
65.40	Head of draw, drains SE., 20 ft. below spur; asc abruptly.
72.80	Ridge, bears N. and S., 240 ft. above head of draw; desc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 2, 3, 34 and 35, with brass cap mkd.

Chains.

T 9 S R 3 W

S 34	S 35
S 3	S 2

T 10 S

from which

A pinon, 16 ins. diam., bears N. 39° E.,

145 lks. dist., mkd. T9S R3W S35 BT.

A pinon, 12 ins. diam., bears N. 30° 30' W.,

64 lks. dist., mkd. T9S R3W S34 BT.

No other trees within limits suitable for bearing trees.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Corner established 200 ft. below ridge.

Land, mountainous.

Soil, light red clay and gravel, shallow and covered with limestone, granite and quartzite boulders.

Timber, dense cedar and pinon.

Undergrowth, dense sagebrush, yellow top, buck, service, and chokecherry brush, sand grass, and scattering clusters of dense maple, mahogany and scrub oak.

General southern exposure. Limestone formation. Good grazing.

West, on true line along the N. bdy. of tp., bet. secs.

3 and 34.

Desc. abruptly over mountainous land, through scattering scrub cedar and pinon timber, mahogany, sagebrush, and yellow top undergrowth.

24.00 Gulch, drains SW., 620 ft. below sec. cor.; asc. gradually.

25.00 Spur, projects SW., 10 ft. above gulch; desc.

39.55 Old road, bears N. and S.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.Established station $\frac{1}{4}$ sec. cor. mkd. alt. 620 ft. above sea level.

1917

North Boundary T? 10 S., R. 3 W.

Chains.

from which

A pinon, 10 ins. diam., bears N. 25° E.,
199 lks. dist., mkd. $\frac{1}{4}$ S34 BT.

No other trees within limits suitable for bearing trees.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

50.90 Draw, 12 lks. wide, 4 ft. deep, drains SW., asc. gradually.

52.60 Top of asc., bears NE. and SW., 10 ft. above draw; desc.
gradually.

57.80 Draw, 10 lks. wide, 2 ft. deep, drains SW., 30 ft. below
top of asc.; asc. gradually.

59.90 Old road, bears NW. and SE.

61.10 Top of asc., bears NE. and SW., 30 ft. above draw; desc.
gradually.

77.40 Draw, 12 lks. wide, 3 ft. deep, drains SW., 50 ft. below
top of asc.; asc. gradually.

77.90 Old road, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for the cor. of secs. 3, 4, 33 and 34,
with brass cap mkd.

T 9 S R 3 W

S 33	S 34
S 4	S 3

T 10 S
1917

from which

A cedar, 8 ins. diam., bears N. 53° E.,
266 lks. dist., mkd. T9S R3W S34 BT.

A cedar, 36 ins. diam., bears N. $37^{\circ} 30'$ W.,
433 lks. dist., mkd. T9S R3W S33 BT.

No other trees within limits suitable for bearing trees.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Cor. established 20 ft. above draw.

Land, mountainous.

Soil, light red clay and gravel, shallow and covered
with limestone, granite and quartzite boulders.

Timber, scattering scrub cedar and pinon.

Chains.

Undergrowth, scattering mahogany, sagebrush, yellow top, buck brush, bunch and sand grass.

Southern and southwestern exposure. Limestone formation.

Good grazing.

West, on true line along the N. bdy. of twp., bet. secs.

4 and 33.

Asc. over mountainous land, through scattering scrub cedar and pinon timber, scattering mahogany, sagebrush, bitter and service undergrowth.

11.30 Ridge, bears NE. and SW., 200 ft. above sec. cor.; desc. gradually.

23.40 Head of draw, drains SW., 105 ft. below ridge; asc. gradually.

24.40 Old road, bears NE. and SW.

26.40 Spur, projects SW., 20 ft. above draw; desc. gradually.

32.80 Old road, bears NE. and SW.

36.90 Draw, 10 lks. wide, 2 ft. deep, drains SW., 50 ft. below spur; asc. gradually.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 33
S 4

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

No trees within limits suitable for bearing trees.

43.70 Spur, projects S., 50 ft. above draw; desc. gradually.

46.10 Draw, 8 lks. wide, 2 ft. deep, drains SW., 20 ft. below spur; asc. gradually.

48.30 Old road, bears NE. and SW.

63.40 Spur, projects S. 10° W., 100 ft. above draw; desc. gradually.

66.70 Draw, 10 lks. wide, 1 ft. deep, drains SW., 70 ft. below spur; asc. gradually.

70.70 Spur, projects S., 30 ft. above draw; desc. gradually.

72.90 Draw, 8 lks. wide, 2 ft. deep, drains SE., 10 ft. below

Chains.	
.16.50	spur; asc. gradually.
74.50	Old road, bears NE. and SW.
78.00	Spur, projects SE., 60 ft. above draw; desc. gradually.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 4, 5, 32 and 33, with brass cap mkd.
	T 9 S R 3 W
	S 32 | S 33 S 5 | S 4
	T 10 S 1917
	from which
	A cedar, 8 ins. diam., bears N. $58^{\circ} 30' W.$,
	77 lks. dist., mkd. T9S R3W S32 BT.
	No other trees within limits suitable for bearing trees.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, light red clay and gravel, shallow and covered with limestone, quartzite and granite boulders.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush, yellow top, bitter brush, scatter- ing service and mahogany brush, bunch and sand grass.
	General southern exposure. Limestone formation, Good grazing.
1.00	West, on true line along the N. bdy. of twp., bet. secs. 5 and 32.
	Desc. over mountainous land, through scattering sagebrush, service brush, scattering scrub cedar and pinon timber.
.70	Draw, 10 lks. wide, 2 ft. deep, drains S., 20 ft. below sec. cor.; asc. gradually.
9.10	Spur, projects SE., 120 ft. above draw; desc. gradually.
17.60	Draw, 12 lks. wide, 3 ft. deep, drains SE., 40 ft. below spur; asc. abruptly.
23.20	Top of abrupt asc., bears NW. and SE.; asc. gradually.
25.60	Spur, projects SE., 160 ft. above draw; desc. abruptly.
31.10	Gulch, drains S. $10^{\circ} W.$, 150 ft. below spur; asc. op.

North Boundary T. 10 S., R. 3 W.

Chains.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\begin{array}{r} \frac{1}{2} S 32 \\ \frac{1}{2} S 5 \end{array}$$

1917

from which

A pinon, 14 ins. diam., bears N. 20° E.,
34 lks. dist., mkd. $\frac{1}{4} S 32$ BT.

A pinon, 12 ins. diam., bears N. 40° W.,
15 $\frac{1}{4}$ lks. dist., mkd. $\frac{1}{4} S 32$ BT.

No trees S. of line suitable for bearing trees.

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

- 49.80 Spur, projects S., 210 ft. above gulch; desc. gradually.

- 65.60 Leave scattering scrub cedar and pinon timber, bears NE. and SW., enter open sagebrush land.

- 74.10 Draw, 10 lks. wide, 3 ft. deep, drains SW., 350 ft. below spur; asc. gradually.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 5, 6, 31 and 32, with brass cap mkd.

T 9 S R 3 W.

$$\begin{array}{r|l} S 31 & S 32 \\ \hline S 6 & S 5 \end{array}$$

T 10 S

1917

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Soil, light red clay and gravel, shallow and covered with limestone boulders.

Timber, scattering scrub cedar and pinon in eastern portion.

Undergrowth, sagebrush, yellow top, bitter brush, scattering service and mahogany, bunch and sand grass.

General southern exposure. Limestone formation. Good grazing.

North Boundary T. 10 S., R. 3 W.

Chains.	
	West, on true line along the N. bdy. of twp., bet. secs. 6 and 31. Asc. over rolling mountainous land, through dense sage-brush, yellow top, scattering service brush and scrub maple undergrowth.
14.30	Spur, projects S., 60 ft. above sec. cor.; desc. abruptly.
20.90	Gulch, drains SE., 70 ft. below spur; asc. abruptly.
22.80	Top of abrupt asc., bears N. and S.; asc. gradually.
24.90	Spur, projects S., 50 ft. above gulch; desc. gradually.
28.50	Old road, bears NE. and SW.
35.30	Draw, 12 lks. wide, 2 ft. deep, drains S., 20 ft. below spur; asc. gradually.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 31 S 6
	Surveyed by J. C. H. 1917
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
42.90	Spur, projects S., 80 ft. above draw; desc. gradually.
48.90	Old road, bears NW. and SE.
50.80	Draw, 10 lks. wide, 2 ft. deep, drains S., 50 ft. below spur; asc. gradually.
54.00	Recross old road, bears NE. and SW.
57.00	Spur, projects S., 80 ft. above draw; desc. gradually.
57.90	Recross old road, bears NW. and SE.
60.80	Draw, 10 lks. wide, 2 ft. deep, drains SW., 20 ft. below spur; asc. gradually.
63.70	Spur, projects SW., 20 ft. above draw; desc. gradually.
78.90	Draw, 10 lks. wide, 3 ft. deep, drains SW., 90 ft. below spur; asc. gradually.
82.26	The closing cor. for T. 9 S., Rgs. 3 and 4 W., which is An iron post, 3 ins. diam., 24 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
88.61	The NW. cor. of T. 10 S., R. 3 W., heretofore described. Land, rolling mountainous.

Subdivision of T. 10 S., R. 3 W.

Chains.

Soil, light red clay and gravel, shallow and covered with limestone and granite boulders. Cedar shrubs common. Timber, none. Undergrowth, sagebrush, bitter brush, yellow top, scattering service brush and scrub maple, bunch and sand grass.

General southern exposure. Limestone formation. Good grazing.

At sec. 10, S. Subdivision. Subsurface, thin soil.

From the cor. of secs. 11, 12, 13 and 14.

North, bet. secs. 11 and 12, concretes and stone surface. Desc. over mountainous land, through scattering cedar and pinon timber, dense sagebrush undergrowth.

8.70 Draw, 10 lks. wide, 2 ft. deep, drains W., 150 ft. below sec. cor.; asc. 100 ft. and well, surface 5 ft.

11.50 Spur, projects W., 20 ft. above draw; desc.

17.10 Old road, bears NE. and SW.

18.20 Wash in bottom of canon, 10 lks. wide, 5 ft. deep, drains SW., 50 ft. below spur; asc. gradually.

19.90 Wash in bottom of canon, 15 lks. wide, 5 ft. deep, drains SW. from N.; asc. along E. slope of canon.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$

S 11 S 12

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees.

46.40 Top of asc., bears E. and W., thence along declivitous E. slope.

56.30 Spring in bottom of canon, approximately 2 chs. W. of line. Good clear water. Spring is formed by placing a concrete wall around an old mining shaft. Shaft is

Chains.

- approximate 5 ft. in diam. to base of surface.
 61.60 Same wash in bottom of canon, 20 lks. wide, 8 ft. deep,
 drains S. 10° W., 50 ft. below top of asc.; asc.
 62.60 Old road, bears NE. and SW.
 71.20 Spur, projects SE., 120 ft. above wash; desc. gradually.
 73.10 Draw, 5 lks. wide, 2 ft. deep, drains SE., 10 ft. below
 spur; asc. over S. slope.
 79.19 Point for the cor. of secs. 2 and 12. For description
 see notes of line bet. secs. 1 and 12, this book.
 82.41 Intersect the line bet. secs. 2 and 11, 60 lks. E. of the
 temp. point left on that line. For the establishment
 of this temp. point, see notes of line bet. secs. 2 and
 11. Open canon, 30 ft. wide, 10 ft. deep, more or less
 At point of intersection set an iron post,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for the NE. cor. of sec. 11, with brass
 cap mkd.

T. 10 S.
S 2

S 11

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, SW. of cor.
 No trees within limits suitable for bearing trees.

Land, mountainous.

Soil, light red clay and gravel, shallow and covered
 with limestone and granite boulders.

Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush, yellow top, black sage, service,
 chokecherry, mahogany and maple undergrowth.

General western exposure. Limestone formation. Good
 grazing.

From the cor. of secs. 1, 6, 7 and 12, on the E. bdy.
 of the twp., heretofore described.

West, on true line bet. secs. 1 and 12.

Asc. over mountainous land, through very scattering

Subdivision, T. 10 S., R. 3 W.

- Chains. cedar and pinon timber, dense sagebrush, service, chokecherry, mahogany and maple undergrowth.
- 12.30 Wash, 10 lks. wide, 6 ft. deep, drains NE., 140 ft. above sec. cor.; continue desc.
- 21.00 Spur, projects NE., 230 ft. above wash; desc. gradually.
- 24.70 Head of draw, drains NE., 10 ft. below spur; asc. gradually.
- 31.80 Spur, projects N., 180 ft. above draw; desc.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
- $\frac{1}{4} \text{ S } 1$
 $\frac{1}{4} \text{ S } 12$
1917
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
- 53.90 Crest of ridge bet. Cedar and Tintic Valleys, bears NW. and SE., 340 ft. below spur; continue desc.
- 60.20 Old road, bears NW. and SE.
- 68.00 Draw, 10 lks. wide, 2 ft. deep, drains SW., 180 ft. below crest of ridge; asc. gradually.
- 72.80 Spur, projects S., 20 ft. above draw; desc. abruptly.
- 77.00 Head of canon, drains S. 10° W., 100 ft. below spur; asc.
- 79.79 Point for the cor. of secs. 1 and 2. (For description, see notes of line bet. secs. 1 and 2.)
- 81.90 Spur, projects S., 150 ft. above head of canon; desc.
- 83.75 Intersect the E. bdy. sec. 11, South, 3.22 chs. from the NE. cor. of sec. 11. At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 2 and 12, with brass cap mkd.
- T 10 S
S 2
S 11 S 12
R 3 W
1917
- from which
- A pinon, 16. ins. diam., bears S. 39° E., 64 lks. dist., mkd. T10S R3W S12 BT.
- No other trees within limits suitable for bearing trees.
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. Cor. established 20 ft. below spur.
- Land, mountainous.

Subdivision, T. 10 S., R. 3 W.

Chains.	Soil, light red clay and gravel, covered with limestone, granite and quartzite boulders. Timber, scattering scrub cedar and pinon. Undergrowth, sagebrush, yellow top, black sage, service and choke cherry. mahogany and scrub maple. General northern exposure in the eastern portion; southern exposure in the western portion. Limestone formation. Good grazing.
	From the cor. of secs. 10 and 11. East, on true line bet. secs. 2 and 11. Asc. over mountainous land, through scattering scrub cedar and pinon timber; dense sagebrush and scattering service and chokecherry undergrowth.
4.56	A Westing of 80.00 chs. from the cor. of secs. 1 and 2. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 2 and 3, with brass cap mkd.
	T 10 S R 3 W S 3 S 2
	S 11 1921
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
7.40	Spur, projects S.; 210 ft. above sec. cor.; desc.
26.10	Draw, 10 lks. wide, 2 ft. deep; drains SE.; 280 ft. below spur; asc. gradually.
29.20	Spur, projects S., 10 ft. above draw; desc. gradually.
36.20	Wash in bottom of canon, 30 lks. wide, 5 ft. deep, drains S. 60° W. Road in bottom of wash bears S. 60° W. and SE., 10 ft. below spur; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 11, with brass cap mkd.
	$\frac{1}{4}$ S 11 1917
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. No trees within limits suitable for bearing trees.

Chains.

From the $\frac{1}{2}$ sec. cor., the portal of tunnel No. 1 of the Victoria Mine bears S. $62^{\circ} 15'$ W., 360 lks. dist.

43.94 A westing of 40.00 chs. from the cor. of secs. 1 and 2. Set an iron post, 3 ft. long, 1-in. diam., 12 ins. in the ground, on solid rock, in large mound of stone for the $\frac{1}{4}$ sec. cor. for sec. 2, with brass cap mkd.

mi. 3.0 N. of cor. sec. 1, $\frac{1}{4}$ S. 2, base about 10 ft.

dated 1912, S. end 1. made in 1921 and, probably, still

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

53.30 Spur, projects SW., 120 ft. above wash; desc. gradually.

55.30 Draw, drains S. 80° W., 10 ft. below spur; asc. gradually.

75.40 Ridge, bears NE. and SW., 260 ft. above draw; desc. gradually.

79.10 Head of draw drains S., 40 ft. below ridge, asc. gradually.

80.00 Set temp. point.

80.60 The NE. cor. of sec. 11, heretofore described.

Land, mountainous.

Soil, light red clay and gravel, shallow and covered with limestone, quartzite and granite boulders.

Timber, very scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, yellow top, black sage, scattering service, chokecherry, mahogany and scrub maple.

Southern and southwestern exposure. Limestone formation.

Good grazing.

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy.

of the twp., heretofore described.

South, bet. secs. 1 and 2.

Asc. over mountainous land, through scattering cedar and pinon timber, dense sagebrush, service and scrub oak undergrowth.

30 Trail, bears E. and W.

5.00 Ridge, bears NE. and SW., 40 ft. above sec. cor.; desc.

Subdivision, T. 10 S., R. 3 W.

Chains.

- 10.20 Head of draw, drains SW., 80 ft. below ridge; asc.
- 14.80 Spur, projects SW., 50 ft. above head of draw; desc.
- 32.00 Old road, bears E. and W. dist. 60 chs. no buildings in sight.
- 43.70 Intersect the N. bdy. of sec. 12, East, 3.96 chs. from
the cor. of secs. 2 and 12.
- At point of intersection set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for the cor. of secs. 1 and 2, with brass
cap mkd. S. 0° 02' W. sec. 11, cor. of secs. 2 and 12.
- Plat. sec. 11, range 30 deg. sec. 11, S. 2 | S. 1 | S. 12
- Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for the cor. of secs. 1 and 2, with brass
cap mkd. S. 0° 02' W. sec. 11, cor. of secs. 2 and 12.
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
No trees within limits suitable for bearing trees.
- Land, mountainous.
- Soil, light clay and gravel, shallow and rocky.
- Timber, scattering scrub cedar and pinon.
- Undergrowth, sagebrush, service and scrub oak.
- General southern exposure. Limestone formation. Good
grazing.
- From the cor. of secs. 2, 3, 34 and 35, on the N. bdy.
of the twp., heretofore described.
- South, on random line bet. secs. 2 and 3.
- Fall 2 lks. E. of the cor. of secs. 2 and 3, on the N.
bdy. of sec. 11.
- The course of this line therefore is S. 0° 02' W., and
the dist. is 40.63 chs.
- S. 0° 02' W., on true line bet. secs. 2 and 3.
- Desc. over mountainous land, through scattering cedar
and pinon timber, dense sagebrush undergrowth.
- Deep ravine, drains W.; asc. abruptly.
- Spur, projects SW.; desc. abruptly.
- Ravine, drains SW.; continue desc. along W. slope.
- The cor. of secs. 2 and 3, on the N. bdy. sec. 11.

Subdivision, T. 10 S., R. 3 W.

	Chains.	<p>Land, mountainous.</p> <p>Soil, light clay and gravel, shallow and rocky.</p> <p>Timber, scattering cedar and pinon.</p> <p>Undergrowth, dense sagebrush.</p> <p>Southern and southwestern exposure. Limestone and quartzite formation. Good grazing.</p>

		<p>From the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the twp., heretofore described.</p> <p>S. 0° 02' W., on random line bet. secs. 3 and 4.</p>
40.24	Fall 12 lks. E. of the cor. of secs. 3 and 4, on N. bdy. of sec. 10.	<p>S. 0° 12' W., on true line bet. secs. 3 and 4.</p> <p>Desc. over mountainous land, through very scattering cedar and pinon timber, dense sagebrush undergrowth.</p>
1.50	Old road, bears NE. and SW.	
5.00	Draw, 10 lks. wide, 3 ft. deep, drains SW.; continue desc.	
40.24	The cor. of secs. 3 and 4, on N. bdy. sec. 10.	<p>Land, mountainous.</p> <p>Soil, light red clay and gravel, shallow and covered with limestone, granite and quartzite boulders.</p> <p>Timber, scattering scrub cedar and pinon.</p> <p>Undergrowth, sagebrush, yellow top and black sage.</p> <p>Southern exposure. Limestone formation. Good grazing.</p>

		<p>From the cor. of secs. 4, 5, 32 and 33, on N. bdy. twp.</p> <p>S. 0° 12' W., on random line bet. secs. 4 and 5.</p>
40.01	Fall 4 lks. W. of the cor. of secs. 4 and 5, on the N. bdy. sec. 9.	<p>S. 0° 09' W., on true line bet. secs. 4 and 5.</p> <p>Desc. over rolling mountainous land, through scattering cedar and pinon timber, dense sagebrush undergrowth.</p>
21.00	Draw, 10 lks. wide, 2 ft. deep, drains SE.; continue desc.	

Subdivision, T. 10 S., R. 3 W.

Chains.

- 40.01 The cor. of secs. 4 and 5, on the N. bdy. sec. 9.
Land, rolling mountainous.
Soil, light red clay and gravel, shallow and covered
with limestone, quartzite and granite boulders.
Timber, scattering scrub cedar and pinon.
Undergrowth, dense sagebrush, yellow top, bitter and
black sage brush.
Southern exposure. Limestone formation. Good grazing.
-
- From the cor. of secs. 5, 6, 31 and 32.
S. $0^{\circ} 09'$ W., on random line bet. secs. 5 and 6.
- 40.20 Fall 7 lks. E. of the cor. of secs. 5 and 6, on the N.
bdy. sec. 8.
S. $0^{\circ} 15'$ W., on true line bet. secs. 5 and 6.
Desc. over rolling mountainous land, through scattering
scrub cedar and pinon timber, dense sagebrush under-
growth.
- 8.50 Draw, 10 lks. wide, 2 ft. deep, drains SE.; asc. gradually
- 16.80 Point of low spur projects SE.; desc.
- 29.60 Old road, bears Nw. and SE.
- 40.20 The cor. of secs. 5 and 6, on the N. bdy. sec. 8.
Land, rolling mountainous.
Soil, light red clay and gravel, shallow, covered with
limestone and granite boulders.
Timber, scattering scrub cedar and pinon.
Undergrowth, sagebrush, yellow top, bitter brush and
black sage; scattering service brush.
General southern exposure. Limestone formation. Good
grazing.
-

Latitudes, Departures, and Closing Errors.

Bdry & Lines designated.	True Bearing	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
W.bdy.T.10 S., R.3 W.	N. 0°07' E.	chs. 40.02	40.02	.....	....08	.....
N.bdy.T.10 S., R.3 W.	East.	488.61	.....	488.61	.....	.....
E.bdy.T.10 S., R.3 W.	S. 0°31' W.	3.99	.....	3.99	.....	.04
E.bdy.T.10 S., R.3 W.	S. 0°22' W.	39.77	.....	39.77	.....	.25
E.bdy.T.10 S., R.3 W.	S. 0°29' W.	79.14	.....	78.99	.....	4.81
Bet. Secs. 12 and 13	S. 89°57' W.	79.08	.....	.....	.07	79.08
Bet. Secs. 11 and 14	N. 88°29' W.	81.16	2.15	.....	.....	81.13
Bet. Secs. 10 and 11	N. 0°28' E.	80.36	80.36	.....	.65	.....
N. Bdy. Sec. 10.	N. 89°38' W.	39.98	.....	.....	.....	39.98
N. bdy. Sec. 10.	N. 89°37' W.	42.10	.....	.....	.....	42.10
N. bdy. Sec. 9.	N. 89°43' W.	80.58	.....	.....	.....	80.58
N. bdy. Sec. 8.	N. 89°41' W.	40.62	.....	.....	.....	40.62
N. bdy. Sec. 8.	S. 89°31' W.	40.58	.....	.....	.....	40.58
N. bdy. Sec. 7.	S. 89°58' W.	40.04	.....	.....	.02	40.04
N. bdy. Sec. 7.	West.	40.07	.....	.....	.....	40.07
Convergency,	.....	.....	.....	.....	.08	.....
Totals,	.....	123.69	123.18	489.42	489.28	.....
Errors in lat. and dep.,	.....	123.18	.....	489.28	.....	.....
		519	519	14	14	.....

GENERAL DESCRIPTION.

The land embraced in the portion of the township coming under this survey lies in the Tintic Mining District of Utah and has every indication of mineral deposits. There are numerous mineral claims located in Secs. 1, 2, 11 and 12, only two companies, however, were operating when this survey was made. The Victoria Co. was operating an inclined shaft near the centre of sec. 11 (not seen from line) and a tunnel near the $\frac{1}{4}$ sec. cor. for sec. 11. The Rattis Mine was being worked near the centre of sec. 12. Workings could not be seen from line.

The land is mostly mountainous in character, of limestone, granite, and quartzite formation, and covered with scrub cedar and pinon timber, with dense clusters of maples in bottoms of draws and canons; much service, chokecherry, sagebrush and yellow top, with scattering bunch, and June grass, affording fair browse and grazing.

This portion of the township is a complex area of

General Description, T. 10 S., R. 3 W.

roads and trails, most of which are only used occasionally, or have been abandoned. They have washed and are now unsuited for wagon travel. They were formerly used to reach the various mining claims, or to haul out wood.

The larger portion of the township lies on the eastern edge of Tintic Valley, having a general southwestern exposure and drainage. There is no running water in the township. The land in the extreme northeastern portion lies on the west slope of Cedar Valley, and has a general northeasterly exposure and drainage. The divide between Tintic and Cedar Valleys, which is also the county line between Utah and Juab counties, extends in a general northwesterly direction through Secs. 1, 2 and 12.

There are no permanent settlers in this portion of the township, and the land is not well adapted to agriculture, except a few areas in Secs. 3, 4, 5 and 6, which might possibly be converted into dry farms.

BOOK A-453

4-680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
walter Byergo	Chainman.
Robert C. Yundt	Chainman.
Stanley Jorgensen	Cornerman.
H. B. Adams	Axeman.
Cole Snyder	Flagman.
C. H. wooden	Chainman.
Roy Chadwick	Chainman.
Carl Kroll	Flagman.
R. Mead	Cornerman.
J. White	Axeman.
Melvin H. Lewis	Chainman.
Vernon L. Bell	Chainman.
Collin Mathieson	Flagman.
Lucian Y. Ray	Cornerman.

CERTIFICATE OF UNITED STATES SURVEYOR

U. S. Cadastral Engineer,

I, Jos. C. Thoma, U.S. Surveyor, hereby certify upon honor that, in pursuant
 of special instructions received from the U. S. Surveyor General for Utah
 and Hon. Com.'s letter "ATH", dated Apr. 29
 bearing date of the 18th day of October, 1916, I have well, faithfully, and truly
 in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions,
 and the laws of the United States, surveyed all those parts or portions of the North Boundary
of T. 10 S., R. 3 W.; retracement and resurvey of portions of
E. and W. boundaries, the retracement and resurvey of a portion
of the subdivision; and the subdivision of a portion of T. 10 S.

R. 3 W.of the Salt Lake

Base and Meridian, in the State of Utah, which are represented
and date diagram on dates shown on said diagram
 the foregoing field notes as having been executed by me, and under my direction, and that all the corners
 said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions,
 and the special written instructions of the U. S. Surveyor General for Utah,
 and in the specific manner described in the field notes, and that the foregoing are the original field notes
 such survey.

Subscribed to at Salt Lake City, Utah,
 this 24th day of January, 1922.

Jos. C. Thoma
 U. S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Oct. 11, 1920

The foregoing field notes of the survey of the north boundary; retracement and
resurvey of portions of the east and west boundaries and subdivision
and survey of a portion of the subdivision of Township No. 10 South,
Range No. 3 West, of the Salt Lake Base and Meridian, Utah;

executed by Joseph C. Thoma
 letter "E" ATH, dated April 29, 1920
 under his special instructions dated October 18, 1916 and Hon. Com's 1916, having been
 critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and
 they describe, are hereby approved.

O. D. Doceum
 U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
 has been correctly copied from the original notes on file in this office.

BOOK A-453

C.

FIELD NOTES

OF THE SURVEY OF THE

RESURVEY OF THE WEST BOUNDARY;

RESURVEY OF THE FOURTH STANDARD PARALLEL SOUTH, RANGE 4 WEST;

RESURVEY OF THE EAST BOUNDARY;

AND

RESURVEY AND SURVEY OF THE SUBDIVISION

O F

TOWNSHIP NO. 30 SOUTH, RANGE NO. 4 WEST

Of the Salt Lake Base and Meridian,

In the State of Utah.

EXECUTED BY

HOWARD W. MILLER, U. S. CADASTRAL ENGINEER

In the capacity of U. S. Surveyor, under instructions dated March 5, 1918, and supplemental special instructions dated February 15, 1922, issued by the United States Surveyor General to govern surveys included in Group No. 70, which were approved by the Commissioner of the General Land Office, March 29, 1918 and March 2, 1922, respectively. Assignment Instructions dated May 27, 1920 and Nov. 10, 1922, respectively.

Survey commenced June 8, 1920, 191

Survey completed November 14, 1922., 191

INDEX DIAGRAM.

Township 20 South , Range 4 West

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29				24
5	30	39	29	28	28
			26		
51		38	26		
3	31	32	33	34	35
6	6	7	7	8	8
15	14	13	12	10	17

T.20 S., R.4 W.

DATE DIAGRAM T.20 S., R.4 W.

	6-10-20	6-10-20							
		6-19-20							
6-10-20	30	29	28					6-24-20	
	6-19-20	6-11-20	6-10-20						
6-10-20	6-11-20	6-17-20	6-16-20	6-19-20	6-8-20	6-12-20	6-15-20	25	6-14-20
								6-14-20	
6-10-20	31	32	33	34	35	36			
	6-19-20	6-11-20	6-8-20	6-19-20	6-9-20	6-9-20	6-15-20		
6-10-20	6-11-20	6-8-20	6-8-20	6-19-20	6-12-20	6-15-20	6-16-20		
								11-14-22	11-14-22

Survey commenced June 8, 1920 and executed with Buff and

Buff transit No. 8964 equipt with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle.

The instrument was approved for use in this survey by the Assistant Supervisor of Surveys for Utah in assignment instructions dated May 27, 1920.

I examine the adjustments of the transit and find no errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations made on Polaris, I proceed as follows:

June 8, 1920: At my camp which is situated near the corner of secs. 16, 17, 20 and 21, T.21 S., R.4 W., approximate latitude $38^{\circ}59'N.$; longitude $112^{\circ}48'W.$; at 8h. a.m. apparent time, I set off $38^{\circ}59'$ on the latitude arc;

SHAWNS

22° 53' N., on the declination arc; and determine a meridian with the solar and note that a tree about 5 miles distant bears N.2°34'W.

At the standard cor. of secs. 32 and 33, T.20 S., R.4 W.

I set off 22°54' N., on the declination arc; and at apparent noon observe the sun on the meridian, the resulting latitude is 39°02'.

At 4h.p.m. apparent time, I set off 38°59' on the latitude arc; 22°54' N., on the declination arc; and determine a meridian with the solar, and find that the tree bears N.2°33'W.

Note: I found by comparison with a Western Union telegraph clock at Delta, Utah, June 7, 1920 that my watch is 29^m fast of local mean time.

June 8, 1920: At my same station in camp, at 7h. 35m. 15s. p.m.l.m.t., I make an hour angle observation on Polaris, west of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle in the direction of N-W. from Polaris to the tree.

Watch time of observation - - - - - 8h. 04m. 15s.p.m.

Mean horizontal angle from Polaris to tree = 2°16' N-W.

Azimuth of Polaris at observation = 0°18'W.

True bearing of tree = N.2°34'W.

The solar apparatus by a.m. and p.m. observations defines positions for meridians that do not vary more than 1' of azimuth from the meridian established by observations made on Polaris, I therefore conclude that the instrument is in good adjustment.

Frequent tests of the solar apparatus were made on this meridian during the progress of the survey, the instrument being kept in good adjustment.

June 18, 1920: At the completion of the survey I test the solar apparatus on the same Polaris meridian during a.m. and p.m. hours, with the following results.

At 8h.a.m. apparent time, I set off 38°59' on the latitude

RESURVEY OF THE WEST BOUNDARY OF T.20 S., R.4 W.

CHAINS arc; $23^{\circ}25'N.$, on the declination arc, and determine a meridian with the solar and find that the tree bears $N.2^{\circ}33'W.$

At 5h.p.m. apparent time, I set off $23^{\circ}26'N.$, on the declination arc; $38^{\circ}59'$ on the latitude arc, and determine a meridian with the solar and find that the tree bears $N.2^{\circ}34'W.$

MEASUREMENTS

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape, 5 chains in length compared with a Lufkin standard steel tape 1 chain long and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurement properly reduced to true horizontal distances.

RESURVEY OF THE WEST BOUNDARY OF T.20 S., R.4 W.

I begin at the standard cor. of Tps. 20. and 21 S., Rs. 4 and 5 W., which is a sandstone, 24 x 12 x 10 ins., lying on the ground and marked as described by the surveyor general. No accessories to cor.

Alongside old cor., I set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for standard cor. of Tps. 20 and 21 S., Rs. 4 and 5 W., with brass cap marked

SC	
T20S	
R5W	R4W
S36	S31
S1	S6
T21S	
1920	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

RESURVEY OF THE WEST BOUNDARY OF T.20 S., R.4 W.

	CHAINS	Thence
		North, on resurvey line bet. secs. 31 and 36.
		Over rolling land along wire fence bearing N. and S.
		Land cleared for farming on both sides of line.
17.45		Telephone line, bears NW. and SE.
40.38		Fall 1 lk. W. of the $\frac{1}{4}$ sec. cor. which is a limestone, 16 x 10 x 5 ins. above ground, firmly set, and properly marked. No. accessories to cor. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground alongside old cor. for $\frac{1}{4}$ sec. cor., with brass cap marked
		$\frac{1}{4}$ S36 | S31
		1920
		No accessories built at cor.
		Cor. stands at the cor. of fences bearing N., S., and E. The bearing of this $\frac{1}{2}$ mile is N.0°01'E., and the distance is 40.38 chs.
		From point 1 lk. W. of $\frac{1}{4}$ sec. cor., continue North, with continuous measurement.
		Line follows along E. side of wire fence bearing N. and S. and in an old lane.
39.88		Wire fence, bears E. and W.; joins fence from the S. 20 lks. W..
40.25		Road, bears E. and W.
40.38		Fall 6 lks. W. of the cor. of secs. 25,30,31 and 36, which is a limestone, 16 x 10 x 10 ins., buried in ground. Marked X on top face. No accessories to cor. Note: This cor. does not answer to the description of the original cor.; I find that a point for restored cor. would fall within 3 ft. of the point where I find the stone. It is probable that the stone found was deposited to preserve the position of the old cor. as its position relative to old established fence lines west and south does not warrant any changing.
		Alongside old stone cor., I

RESURVEY OF THE WEST BOUNDARY OF T.20 S., R.4 W.

CHAINS

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36, with brass cap marked

T20S	
R5W	R4W
S25	S30
S36	S31

1920

No accessories built at cor.

Cor. stands alongside road bearing E. and W. and at the S. edge of cultivated field.

The bearing of this $\frac{1}{2}$ mile is N.0°04'E., and the distance is 40.38 chs.

Land, rolling; general S. exposure and drainage.

Soil, sandy clay loam, gravelly and rocky; subsoil, dry sandy clay.

No timber.

Undergrowth, sagebrush along fence lines; land cleared for farming on both sides of line.

From the cor. of secs. 25, 30, 31 and 36

North, on resurvey line bet. secs. 25 and 30

Over rolling cultivated land.

40.34 Fall 8 lks. W. of the $\frac{1}{4}$ sec. cor., which is a quartz stone, 16 x 10 x 6 ins., lying on the ground, marked $\frac{1}{4}$ on one face. No accessories to cor.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground and bury old cor. alongside for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	
S25	S30

1920

No accessories built at cor. on account of cultivated land.

The bearing of this $\frac{1}{2}$ mile is N.0°07'E., and the distance is 40.34.

From point 8 lks. W. of $\frac{1}{4}$ sec. cor., continue North, with continuous measurement.

RESURVEY OF WEST BOUNDARY OF T. 20 S., R. 4 W.

CHAINS

40.43 Fall 16 lks. W. of the cor. of secs. 19, 24, 25 and 30, which is a quartz stone, 16 x 10 x 5 ins., above ground, firmly set, and properly marked. No accessories to cor. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground alongside old cor. for cor. of secs. 19, 24, 25 and 30, with brass cap marked

T20S	
R5W	R4W
S24	S19
S25 S30	
1920	

No accessories built at cor. cor. on account of same falling on cultivated land.

The bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}07'$ E., and the distance is 40.43 chs.

Land, gently rolling; S. exposure and drainage.

Soil, rich sandy clay loam about 3 ft. deep.

No timber.

Land under cultivation.

RETRACEMENT 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST

From the standard cor. of Tps. 20 and 21 S., Rs. 4 and 5 West.

East, on retracement line bet. secs. 6 and 31.

40.83 Fall 16 lks. N. of the $\frac{1}{2}$ sec. cor. hereinafter described.

The bearing of this $\frac{1}{2}$ mile is S. $89^{\circ}46'$ E., and the distance is 40.83 chs.

From $\frac{1}{2}$ sec. cor., continue

East.

81.20 Fall 29 lks. N. of the standard cor. of secs. 31 and 32 hereinafter described.

The bearing of this $\frac{1}{2}$ mile is S. $89^{\circ}35'$ E., and the distance is 40.37 chs.

From the standard cor. of secs. 31 and 32, N. S.,

East, on retracement line bet. secs. 5 and 32.

RETRACEMENT 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS

- 40.62 Fall 10 lks. N. of the standard $\frac{1}{2}$ sec. cor. hereinafter described.
 The bearing of this $\frac{1}{2}$ mile is S. $89^{\circ}52'$ E., and the distance is 40.62 chs.
 From point 8 lks. N. of $\frac{1}{2}$ sec. cor., continue East.
- 81.19 Fall 20 lks. N. of the standard cor. of secs. 32 and 33 hereinafter described.
 The bearing of this $\frac{1}{2}$ mile is S. $89^{\circ}50'$ E., and the distance is 40.57 chs.
-
- From the standard cor. of secs. 32 and 33 East, on retracement line bet. secs. 4 and 33
- 40.55 Fall 6 lks. N. of the standard $\frac{1}{2}$ sec. cor. hereinafter described.
 The bearing of this $\frac{1}{2}$ mile is S. $89^{\circ}55'$ E., and the distance is 40.55 chs.
 From point 6 lks. N. of $\frac{1}{2}$ sec. cor., continue East
- 80.83 Fall 10 lks. N. of the standard cor. of secs. 33 and 34 hereinafter described.
 The bearing of this $\frac{1}{2}$ mile is S. $89^{\circ}57'$ E., and the distance is 40.28 chs.
-
- From standard cor. of secs. 33 and 34. East, on retracement line bet. secs. 3 and 34.
- 40.60 Intersect standard $\frac{1}{2}$ sec. cor. hereinafter described.
 The bearing of this $\frac{1}{2}$ mile is East and the distance is 40.60 chs.
 From $\frac{1}{2}$ sec. cor., continue East
- 81.10 Intersect standard cor. of secs. 34 and 35 hereinafter described.
 The bearing of this $\frac{1}{2}$ mile is East and the distance is 40.50 chs.

RETRACEMENT 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST

	CHAINS	From standard cor. of secs. 34 and 35.
		East, on retracement line along S. bdy. sec. 35.
40.28		Intersect standard $\frac{1}{2}$ sec. cor. hereinafter described. The bearing of this $\frac{1}{2}$ mile is East and the distance is 40.28 chs.
		From standard $\frac{1}{2}$ sec. cor., continue
		East
80.56		Fall 16 lks. N. of the standard cor. of secs. 35 and 36 hereinafter described. The bearing of this $\frac{1}{2}$ mile is S. $89^{\circ}46'$ E., and the distance is 40.28 chs.
		From standard cor. of secs. 35 and 36
		East, on retracement line along S. bdy. sec. 36
40.18		Fall 77 lks. N. of the standard $\frac{1}{2}$ sec. cor. hereinafter described. The bearing of this $\frac{1}{2}$ mile is S. $88^{\circ}54'$ E., and the distance is 40.19 chs.
		From point 77 lks. N. of $\frac{1}{2}$ sec. cor., continue
		East
80.10		Fall 16 lks. N. of the standard cor. of Ts. 20&21S, Rs. 3 and 4 W., which is a sandstone 10 x 12 x 10 ins. above ground; firmly set, and marked and witnessed as described by the surveyor general. The bearing of this $\frac{1}{2}$ mile is N. $89^{\circ}08'$ E., and the distance is 39.93 chs.
		RESURVEY 4TH STANDARD PARALLEL SOUTH, RANGE 4 WEST
		From standard cor. of Ts. 20&21S, Rs. 3 and 4 W. S. $89^{\circ}08'$ W., on resurvey line along S. bdy. sec. 36. Over rough mountainous land through dense undergrowth of oak, sage and service berry brush. Descend over W. slope.
12.40		Draw, 85 ft. below cor., drains N.; ascend.
22.30		Bald hill, 50 ft. above draw, bears N. and S.; descend abruptly W. slope 135 ft. to
39.93		At base of steep descent. The standard $\frac{1}{2}$ sec. cor. which is a flint rock, 16 x

RESURVEY 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS

. 8 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

I deface marks, and remark stone A P, and leave same standing for angle point.

Thence

N.88° 54'W., with continuous measurement.

40.41 Point mid-way bet. re-established closing cor. bet. secs. 1 and 2, T. 21 S., R. 4 W., and Stan..cor. of T. 20 S ., R..3 And 4 W.

Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 1 only, with brass cap marked

$\frac{1}{4}$ S1
1922

Deposit a quartz stone, 8 x.6 x 2 ins. marked with a cross (+) along side of post. Mound of stone or pits impracticable.

41.61 Easting of 40.00 chs. from cor. of secs. 35 and 36, T. 20 S., R..4 W.

Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for $\frac{1}{4}$ sec. cor. S. bdy. sec. 36, with brass cap marked

$\frac{1}{4}$ S36

1920

57.30 Wire fence, bears NE. and SW.

65.40 Barren hill, 75 ft. below $\frac{1}{4}$ sec. cor., bears N. and S.; descend abruptly W. slope.

75.20 Draw, 140 ft. below hill, drains NW.; ascend E. slope 30 ft. to

80.12 The standard cor. of secs. 35 and 36 which is a sandstone 18 x 8 x 5.ins., lying in small mound of stone, properly marked but not witnessed.

I deface marks, and remark stone A P and reset same 12 ins. in the ground for angle point.

Land, rough mountainous; general W. exposure and drainage Soil, dark brown loam, streaked with gravel and rock of sandstone and quartz formation; subsoil, loam and rock.

RESURVEY 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS	
	Timber, a few scrub cedar on both sides of line. Undergrowth, dense tall oak, sage, service berry and rabbit brush. Good grazing.
	From old standard cor. of secs. 35 and 36 now an angle point. N. $89^{\circ} 46'$ W., on resurvey line along S. boundaries of secs. 35 and 36. Over rolling hills sloping NW., through oak, sage, service berry and rabbit brush undergrowth. A few scattering scrub cedar on both sides of line. Gradually ascend.
0.70	Proportionate point. Being unable to find any trace of the old closing cor. of secs. 1 and 2, T. 21 S., R. 4 W., after careful search, I re-establish cor. as follows:- There being no iron posts available, Set a quartz stone, 18 x 16 x 10 ins., 12 ins. in the ground, for closing cor. of secs. 1 and 2, marked C.C on S.; with 1 notch on E., and 5 notches on W. face. No stone available for mound and pits are impracticable.
1.50	Intersect line bet. secs. 35 and 36, T. 20 S., R. 4 W. Cor. of secs. 35 and 36 subsequently set at this point; see line bet. secs. 35 and 36.
11.65	Low ridge, 35 ft. above angle point, bears NW. and SE.; gradually descend.
30.55	Leave oak brush, bears N. and S.
40.28	The standard $\frac{1}{4}$ sec. cor., which is a quartz stone, 18 x 12 x 10 ins., lying on the ground, marked $\frac{1}{4}$ on one face; no accessories to cor. I reset stone 12 ins. in the ground, marked $\frac{1}{4}$ on N. face for standard $\frac{1}{4}$ sec. cor. for sec. 35 only, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Thence

RESURVEY 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS

West, with continuous measurement.

- 40.63 Point midway bet. the closing cor. of secs. 1 and 2, and the standard cor. of secs. 2, 3, 34 and 35.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., on N. bdy. of sec. 2,
T. 21 S., R. 4 W., with brass cap marked

$\frac{1}{4}$ S 2

1922

Deposit a quartz stone, 6 x 4 x 2 ins., marked with a cross (—) along side of post.

No stone available for mound and pits are impracticable.

- 43.00 Enter cultivated land, bears NW. and SE.
68.55 Leave field, bears N. and S., gradually ascend.
70.55 Wire fence, bears N. and S., on top of low spur, projecting N.; gradually descend.
73.55 Enter cultivated land, bears N. and S.
80.56 The standard cor. of secs. 2, 3, 34 and 35, which is a red sandstone, 23 x 10 x 8 ins., lying on the ground and properly marked. No accessories to cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground and bury old cor. stone alongside for standard cor. of secs. 2, 3, 34 and 35, with brass cap marked

SC	
T20S	R4W
S34	S35
S 3	S 2
T21S	

1920

No accessories built at cor. as same falls on cultivated ground.

Land, rolling hills; general NW. exposure and drainage.

Soil, brown loam and gravelly of quartz formation; subsoil brown clay and gravel.

Timber, scattering scrub cedar.

RESURVEY 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS	<p>Undergrowth, oak, sage, service berry and rabbit brush. Good farming and grazing land.</p> <hr/> <p>From the standard cor. of secs. 2, 3, 34 and 35. Thence West, on resurvey line along S. bdy. of sec. 34. Over nearly level cultivated land.</p>
4.50	<p>Leave cultivated land, enter scattering cedar, timber, sage and rabbit brush undergrowth, bears NW. and SE. Gradually ascend.</p>
31.50	<p>Wire fence, bears N. and S., on top of low ridge, bears N. 80° W., and S. 80° E.; gradually descend.</p>
40.50	<p>Intersect standard $\frac{1}{4}$ sec. cor., common to secs. 3 and 34 which is a sandstone, $18 \times 10 \times 6$ ins., buried in the ground at cor. of wires fences, bearing N., S., E., and W. I am unable to find any visible marks on this stone.</p>
69.10	<p>Road, bears N. 70° W., and S. 70° E.</p>
81.10	<p>The standard cor. of secs. 3, 4, 33 and 34, which is a blue limestone, $12 \times 8 \times 6$ ins., above the ground, firmly set and properly marked. No accessories to cor.</p> <p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.</p> <p>Cor stands along fence line bearing E. and W.</p> <p>Land, rolling; N. exposure and drainage.</p> <p>Soil, light brown clay; subsoil, hard, dry clay.</p> <p>Timber, scattering scrub cedar.</p> <p>Undergrowth, sagebrush.</p> <p>Good grazing and farming land.</p> <hr/> <p>From the standard cor. of secs. 3, 4, 33 and 34.</p>

RESURVEY 4TH STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS	
21.15	Line follows along fence, bears E. and W. N. 89° 57' W., on resurvey line along S. bdy. of sec. 33
21.45	Over rolling land, through scattering scrub cedar timber and undergrowth of sagebrush.
21.70	Line follows along fence, bears E. and W. NW. cor. of fence, bears S. and E.
22.50	State road, (Arrowhead Trail) between Fillmore and Holden, Utah, bears NE. and SW.
23.00	Telephone line, bears NE. and SW.
40.28	The standard $\frac{1}{4}$ sec. cor., common to secs. 4 and 33, which is a gray limestone, 16 x 13 x 4 ins., lying on the ground, marked $\frac{1}{4}$ on one face; No accessories to cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground and bury old cor. alongside of post, for standard $\frac{1}{4}$ sec. cor. bet. secs. 4 and 33, with brass cap marked to identify the standard cor.
	S.C. standard corner stone S 33
	Post set at point $\frac{1}{4}$ sec. cor. 30.05 to guideline line. 00 S 4
	1920
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
	Thence
	N. 89° 55' W., with continuous measurement.
55.30	Old road, bears N. and S.
80.24	Intersect line bet. secs. 32 and 33, T. 20S., R. 4 W. Cor. of secs. 32 and 33 set at this point, see line bet. secs. 32 and 33.
80.83	The old standard cor. of secs. 4, 5, 32 and 33, which is a limestone, 16 x 10 x 6 ins., lying on the ground and properly marked; no accessories to cor. I reset this stone, 10 ins. in the ground for the cor. of secs. 4 and 5, T. 21 S., R. 4 W., marked with 4 notches on the E., and 2 notches on the W. edge.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of corner.

RESURVEY 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS	DESCRIPTION
15.80	This cor. will hereafter refer to secs. 4 and 5, T. 21 S., R. 4 W. only. Land, rolling, slopes W. an E. 23.00 chs., and E. on remaining portion of mile. Soil, light brown clay loam; subsoil, hard, dry clay. Timber, scattering clusters of scrub cedar. Undergrowth, sagebrush. Good grazing or farming land. <u>From the cor. of secs. 4 and 5, on N. bdy. of T. 21 S., R. 4 W.,</u> N. $89^{\circ} 50'$ W., on resurvey line along S. bdy. of sec. 32, T. 20 S., R. 4 W., 40 chs. from N. corner of sec. 32, on S. side of old road, bears N. and S. Over, rolling land, sloping S. and SE., through scrub cedar timber and undergrowth of sage and rabbit brush.
39.41	Old road, bears N. and S. Westing of 40.00 chs. from the cor. of secs. 32 and 33. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., S. bdy. sec. 32, with brass cap marked
	$\frac{1}{4}$ S32
40.57	1920 Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. distant. No suitable trees available. The old standard $\frac{1}{4}$ sec. cor., common to secs. 5 and 32, which is a sandstone, 10 x 12 x 12 ins., above the ground, firmly set and properly marked. No accessories to cor. This cor. will hereafter refer to sec. 5, T. 21 S., R. 4 W. only. marked $\frac{1}{4}$ on S. face. Thence N. $89^{\circ} 52'$ W., with continuous measurement.

RESURVEY 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS	
45.00	Low sand ridge, 25 ft. above $\frac{1}{4}$ sec. cor., bears N. and S. Gradually descend.
60.00	Draw, 25 ft. below ridge, drains S.; ascend.
68.20	Spur, 35 ft. above draw, projects S.; descend.
73.10	Ravine, 50 ft. below spur, drains S.; ascend.
78.50	Ridge, 60 ft. above ravine, bears N. and S.; descend W. slope 30 ft. to .
81.19	The old standard cor. of secs. 5, 6, 31 and 32, which is a broken blue limestone, (size of both pieces) 26 x 10 x 7 ins., firmly set in a mound of stone. Marks on stone nearly worn off. Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in the ground on solid rock and 12 ins. in a mound of stone with the old cor. standing alongside, for the cor. of secs. 5 and 6, T. 21 S., R. 4 W., with brass cap marked

T20SR4W
S32
S 6 | S 5
T21S | R4W

1920

Land, rolling hills; S. exposure and drainage.

Soil, deep loose sand and limestone rock; subsoil, sandy and rocky.

Timber, scattering scrub cedar.

Undergrowth, sage and rabbit brush.

Good grazing land.

From the cor. of secs. 5 and 6, on N. bdy. of T. 21 S., R. 4 W.

N. $89^{\circ} 35'$ W., on resurvey line along S. boundaries of secs. 31 and 32.

Over rolling hills sloping SW., through scrub cedar timber, and undergrowth of sage and juniper brush.

Descend.

RESURVEY 4TH. STANDARD PARALLEL SOUTH, RANGE 4 WEST.

CHAINS	
1.00	The cor. of secs. 31 and 32, T. 20 S., R. 4 W. subsequently set at this point. See the line bet. secs. 31 and 32.
35.40	Base of hills, bears NW. and SE.; road from Delta to Filmore, Utah, bears NW. and SE., thence over gently rolling ground.
40.37	The standard $\frac{1}{4}$ sec. cor., common to secs. 6 and 31, which is a sandstone, 18 x 6 x 5 ins., lying on the ground, marked $\frac{1}{4}$ on one face. No accessories to cor. Set an iron post, 3 ft. long, .1 in. dia., 26 ins. in the ground and bury old cor. alongside for standard $\frac{1}{4}$ sec. cor., with brass cap marked S C S 31 $\frac{1}{4}$ S 6 1922
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. distant.
	Thence N. $89^{\circ} 46' W.$, with continuous measurement.
56.20	Old road, bears NE. and SW.
66.20	Telephone line, bears NW. and SE.; leave cedar timber, bears N. and S.; thence over nearly level flat.
81.20	The standard cor. of Tps. 20 and 21 S., Rs. 4 and 5 W., heretofore described. Land, hilly on E. $\frac{1}{2}$ mile and gently rolling on W. half; general S. exposure and drainage. Soil, brown sandy loam and limestone rock; subsoil, sandy and rocky, very dry. Timber, scattering scrub cedar. Undergrowth, sage and juniper brush. Good grazing and farming land.

RESURVEY OF THE E. BOUNDARY OF T. 20 S., R. 4 W.

CHAINS

RESURVEY OF THE EAST BOUNDARY OF T. 20 S., R. 4 W.

From the standard cor. of T. 20 S., R. 3 and 4 W., heretofore described.

North, on retrace ment line bet. secs. 31 and 36.

41.28 Fall 18 lks. E. of the $\frac{1}{4}$ sec. cor., hereinafter described. The bearing of this half mile is N. $0^{\circ} 15'$ W., and the distance is 41.28 chs.

From point 18 lks. E. of $\frac{1}{4}$ sec. cor., continue North.

82.10 Fall 29 lks. E. of the cor. of secs. 25, 30, 31 and 36, which is a sandstone, 18 x 16 x 8 ins., lying on the ground and properly marked. No accessories to cor. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground and bury old cor. alongside, for the cor. of secs. 25, 30, 31 and 36, with brass cap marked

T20S	
R4W	R3W
S25	S30
S36	S31

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The bearing of this half mile is N. $0^{\circ} 09'$ W., and the distance is 40.82 chs.

Thence from the cor. of secs. 25, 30, 31 and 36

S. $0^{\circ} 09'$ E., on resurvey line bet. secs. 31 and 36.

Over rolling land, through dense undergrowth of oak and sagebrush. Gradually ascend gentle N. slope.

17.30 Small stream of good water, in large wash, drains NW.

31.30 Low ridge, 35 ft. above sec. cor., bears E. and W.; gradually descend.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 36, with brass cap marked

RESURVEY OF THE EAST BOUNDARY OF T. 20 S., R. 4 W.

CHAINS

LAND

 $\frac{1}{4}$ S36

1920

	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
40.82	The old $\frac{1}{4}$ sec. cor., which is a quartz stone, 12 x 10 x 6 ins. above ground, firmly set, and properly marked. No accessories to cor.
	This cor. now refers to Sec. 31, T. 20 S., R. 3 W.
	I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.
	Thence S. 0° 15' E., with continuous measurement.
54.80	Foot of ridge, bears E. and W.; ascend abruptly N. slope dense undergrowth of oak brush and scattering cedar timber.
54.85	Fence, bears E. and W.
68.00	Spur, 170 ft. above foot of ridge, projects W.; gradually descend.
74.50	Draw, 40 ft. below spur, drains W.; ascend 50 ft. to
82.10	The standard cor. of T. 20 S., Rs. 3 and 4 W. Land, rolling hills on N. half mile, rough and mountainous on S. half mile.; general W. exposure and drainage.
	Soil, brown loam streaked with quartz and limestone rock; subsoil moist clay and rock.
	Timber, a few scattering cedar on S. half mile.
	Undergrowth, dense oak, scattering sage and service berry brush.
	Good grazing land.
	From the cor. of secs. 25, 30, 31 and 36. North, on resurvey line bet. secs. 25 and 30. Over rolling hills through dense undergrowth of sage, oak and service berry brush and scattering cedar timber.

RESURVEY OF THE EAST BOUNDARY OF T.20 S., R.4 W.

CHAINS	
	Line follows along fence, bears N. and S.
1.35	Stream, 20 lks. wide, 6 ins. deep, good water, in wash 1.50 chs. wide, 20 ft. deep, course W.; gradually ascend.
3.75	Road, bears E. and W.
31.25	Low ridge, bears E. and W.; gradually descend N. slope.
40.86	Fall 24 lks. E. of the $\frac{1}{4}$ sec. cor. which is a quartz rock, 16 x 10 x 5 ins., lying on the ground, marked $\frac{1}{4}$ on one face; witnessed as described by the surveyor general. I reset stone 10 ins. in the ground, marked $\frac{1}{2}$ on W. face. The bearing of this $\frac{1}{2}$ mile is N.0°20'W. and the distance is 40.86 chs.
	From point 24 lks. E. of $\frac{1}{4}$ sec. cor., continue North
53.25	Pioneer Creek, 5 lks. wide, 4 ins. deep, good water, 60 ft. below $\frac{1}{4}$ sec. cor., course N.55°W.; gradually ascend SW. slope 75 ft. to
80.76	Fall 48 lks. E. of the cor. of secs. 19, 24, 25 and 30 which is a quartz rock, 18 x 14 x 8 ins., lying on the ground and properly marked. No accessories to cor. I reset stone 12 ins. in the ground marked with 4 notches on N. and 2 notches on S. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. The bearing of this $\frac{1}{2}$ mile is N.0°20'W. and the distance is 39.90 chs. Land, hilly; general W. exposure and drainage. Soil, brown loam, streaked with quartz and limestone rock; subsoil, clay and rocky. Timber, scattering scrub cedar Undergrowth, dense oak, sage, service berry and rabbit brush. Good grazing land.

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS	
	From the standard cor. of secs. 34 and 35 heretofore described.
40.00	North, on retracement line bet. secs. 34 and 35
80.29	No trace of the $\frac{1}{4}$ sec. cor. can be found. Fall 1.04 chs. E. of the cor. of secs. 26, 27, 34 and 35 hereinafter described. The bearing of this mile is N. 0° 45' W. and the proportionate distance for each $\frac{1}{2}$ mile is 40.14 $\frac{1}{2}$ chs. Thence from standard cor. of secs. 34 and 35 N. 0° 45' W., on resurvey line bet. secs. 34 and 35
	Over rolling land draining NW.; land cleared for cultivation.
30.00	Leave cultivated land and enter scattering scrub cedar timber and dense sagebrush undergrowth, bears E. and W.
40.14 $\frac{1}{2}$	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S34 | S35 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable bearing trees available.
80.29	The cor. of secs. 26, 27, 34 and 35 which is a quartz stone, 15 x 7 x 5 ins., loosely set in ground, properly marked but not witnessed. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground and stand old cor. alongside for cor. of secs. 26, 27, 34 and 35, with brass cap marked
	T20S | R4W S27 | S26 ---+--- S34 | S35 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable bearing trees are available. Land, rolling, general W. exposure and drainagem

RESURVEY OF THE SUBDIVISION OF T.20 S., R.4 W.

CHAINS	Soil, brown sandy clay loam, streaked with quartz rock; subsoil; hard; dry clay. Timber, scrub cedar. Undergrowth, sage and rabbit brush. Good grazing and farming land.
40.13	From the cor. of secs. 26, 27, 34 and 35 East, on retrace ment line bet. secs. 26 and 35 Fall 1 lk. N. of the $\frac{1}{4}$ sec. cor. hereinafter described. The bearing of this $\frac{1}{2}$ mile is S.89°59'E. and the distance is 40.13 chs. From $\frac{1}{4}$ sec. cor., continue
80.13	East No trace of the cor. of secs. 25, 26, 35 and 36 can be found. Set temp. cor.
41.20	From the temp. cor. of secs. 25, 26, 35 and 36 North, on retrace ment line bet. secs. 25 and 26 Fall 13 lks. E. of the $\frac{1}{4}$ sec. cor. hereinafter described. Note: I shall restore the cor. of secs. 25, 26, 35 and 36 by right angle offsets, using the $\frac{1}{4}$ sec. cor. bet. secs. 26 and 35 and the $\frac{1}{4}$ sec. cor. bet. secs. 25 and 26 for points of control. Point for restored cor. of secs. 25, 26, 35 and 36 is therefore 40.00 chs. S. and 13 lks. E. of the $\frac{1}{4}$ sec. cor. bet. secs. 25 and 26. The bearing of the E. $\frac{1}{2}$ mile bet. secs. 26 and 35 is N.88°17'E. and the distance is 40.02 chs. The bearing of the S. $\frac{1}{2}$ mile bet. secs. 25 and 26 is N.0°11'W. and the distance is 40.00 chs. From $\frac{1}{4}$ sec. cor. bet. secs. 25 and 26.
39.39	North, on retrace ment line bet. secs. 25 and 26, N. $\frac{1}{2}$ mile. Fall 22 lks. E. of the cor. of secs. 23, 24, 25 and 26 hereinafter described. The bearing of this $\frac{1}{2}$ mile is N.0°19'W. and the distance is 39.39 chs.

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS

From the cor. of secs. 26, 27, 34 and 35

S. $88^{\circ}59' E.$, on resurvey line bet. secs. 26 and 35

Over gently rolling land through dense sagebrush under-growth.

24.10 Corner of wire fences, bears N., S. and E.

30.00 Shallow draw, drains Nw.; enter scattering scrub cedar timber, bears N. and S.

33.10 Enter newly built lane, bears E. and SW.; wire fences on both sides of lane parallel line.

40.13 The $\frac{1}{4}$ sec. cor. in lane, which is a quartzite stone, 16 x 9 x 4 ins., firmly set in the ground, marked dimly $\frac{1}{4}$ on N. face and X on top. No accessories to cor.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground alongside old cor. for $\frac{1}{4}$ sec. cor., with brass cap marked

S26	
$\frac{1}{4}$	S35
1920	

No suitable bearing trees available.

Impracticable to build accessories to cor. on account of same falling in road.

Thence

N. $88^{\circ}17' E.$, with continuous measurement

Continue in lane, gradually crossing to the N. side of same.

55.00 Wire fence, bears E. and W.

80.00 Wire fence, bears N., S. 80 lks. then W. along N. side of lane.

89.15 Proportionate measurement and point for restored cor. of secs. 25, 26, 35 and 36.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, with brass cap marked

T20S	R4W
S26	S25
S35	S36
1920	

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

RESURVEY OF THE SUBDIVISION OF T.20 S., R.4 W.

CHAINS

No suitable bearing trees are available.
 Land, gently rolling, slopes and drains W.
 Soil, brown loam streaked with quartz rock; subsoil,
 dry, sandy clay.
 Timber, scattering scrub cedar on eastern portion of mile.
 Undergrowth, dense sagebrush and scattering clusters of
 oak.
 Good grazing and farming land.

From the cor. of secs. 25, 26, 35 and 36

N. 0° 11' W., on resurvey line bet. secs. 25 and 26

Over rolling land through dense undergrowth of sage,
 scattering oak brush and scattering cedar timber.

Line follows along new fence, bears N. and S.

19.50 The NW. cor. of fence, bears S. and E., bears W. 20 lks.

40.00 The $\frac{1}{2}$ sec. cor. which is a quartzite stone, 15 x 8 x 8
 ins., firmly set in the ground, properly marked but
 not witnessed.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground alongside old cor. for 1/2 sec. cor., with
 brass cap marked

S26 S25

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor.

Thence

N. 0° 19' W., with continuous measurement

50.30 Stream, 3 lks. wide, 2 ins. deep, good water, course NW.

55.00 Old creek bed, drains NW.

79.39 The cor. of secs. 23, 24, 25 and 26 which is a quartz
 rock, 18 x 12 x 4 ins. lying on the ground, and
 properly marked.

There being no iron posts available, I

Reset stone in a large mound of stone, marked with 1
 notch on E. and 2 notches on S. edge; and raise a

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS	
	mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, gently rolling; slopes and drains W. Soil, rich brown clay loam streaked with quartz rock; subsoil, hard, dry clay and rock. Timber, scattering scrub cedar. Undergrowth, dense sage and scattering clusters of oak brush. Good grazing and farming land.
	From the cor. of secs. 23, 24, 25 and 26 East, on resurvey line bet. secs. 24 and 25. (Impracticable to run on record course) Over rolling land through very scattering scrub cedar timber and dense undergrowth of sagebrush.
11.00	Road, bears NW. and SE.
19.00	Dry creek bed, drains NW.; enter heavier cedar timber, bears N. and S.
26.00	Pioneer Creek, 8 lks. wide, 3 ins. deep, good water, course NW.; gradually ascend.
40.30	Wire fence, bears N. and S.
40.59	Fall 90 lks. S. of the $\frac{1}{2}$ sec. cor. which is a quartzite stone, 16 x 11 x 7 lying on ground in small mound of stone, marked $\frac{1}{2}$ on one face; no accessories to cor. I reset stone, 10 ins. in ground marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable bearing trees available. The bearing of this $\frac{1}{2}$ mile is N. $88^{\circ}44' E.$, and the distance is 40.60 chs.
	From $\frac{1}{2}$ sec. cor., continue East, with continuous measurement
75.60	Foot of ridge, bears N. and S.; ascend W. slope 60 ft. to
81.08	Fall 19 lks. S. of the cor. of secs. 19, 24, 25 and 30 on the E. bdy. of the tp. heretofore described. The bearing of this $\frac{1}{2}$ mile is N. $89^{\circ}44' E.$ and the distance is 40.48 chs.

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS

Land, rolling; general W. exposure and drainage.
 Soil, sandy loam, streaked with quartzite rock; subsoil,
 dry, sandy clay and rock.
 Timber, scattering scrub cedar.
 Undergrowth, dense sagebrush.
 Good grazing land.

From the standard cor. of secs. 33 and 34 on the S. bdy
 of the tp. heretofore described.

North, on retracement line bet. secs. 33 and 34.

40.00 No trace of the $\frac{1}{2}$ sec. cor. can be found.

80.64 Fall 9 lks. W. of the cor. of secs. 27, 28, 33 and 34 which
 is a quartzite rock, 16 x 8 x 4 ins., firmly set in
 the ground, properly marked, but not witnessed.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.
 in the ground alongside old cor. for cor. of secs. 27,
 28, 33 and 34, with brass cap marked

T20S	R4W
S28	S27
S33	S34
1920	

Impracticable to build accessories to cor. on account
 of cultivated land.

The bearing of this mile is N. 0°04' E., and the proportionate
 distance for each $\frac{1}{2}$ mile is 40.32 chs.

Thence from cor. of secs. 27, 28, 33 and 34.

S. 0°04' W., on resurvey line bet. secs. 33 and 34

Over nearly level land through scattering undergrowth of
 sagebrush.

12.30 Telephone line, bears NE. and SW.

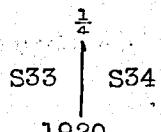
13.80 Road, (Arrowhead Trail) between Fillmore and Holden, Utah,
 bears NE. and SW.

16.00 Wire fence, bears NE. and SW.

17.70 Wire fence bears E., W. about 20 lks. thence N. and S.;
 thence along fence in cultivated field.

40.00 SW. cor. of a fence, bears N. and E.; leave cultivated
 land, enter dense sagebrush undergrowth.

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS	
40.32	<p>Proportionate measurement Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> 
80.50	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.64	<p>Road, bears E. and W. The standard cor. of secs. 33 and 34. Land, gently rolling; slopes and drains NW. Soil, sandy clay loam about 3 ft. deep. No timber. Undergrowth, dense sagebrush. Land suitable for farming.</p>
40.35	<p>From the cor. of secs. 27, 28, 33 and 34 West, on a retracement line bet. secs. 28 and 33. Fall 1 lks N. of the $\frac{1}{4}$ sec. cor. hereinafter described. The bearing of this $\frac{1}{2}$ mile is S. $89^{\circ}59'W$. and the distance is 40.35 chs. From the $\frac{1}{4}$ sec. cor., continue</p>
80.35	<p>West No trace of the cor. of secs. 28, 29, 32 and 33 can be found. Set temp. $\frac{1}{4}$ sec. cor. From temp. cor. of secs. 28, 29, 32 and 33. North, on retracement line bet. secs. 28 and 29</p>
40.00	No trace of the $\frac{1}{4}$ sec. cor. can be found.
80.86	<p>Fall 37 lks. W. of the cor. of secs. 20, 21, 28 and 29. hereinafter described. I restore the cor. of secs. 28, 29, 32 and 33 by right angle offsets, using the $\frac{1}{4}$ sec. cor. bet. secs. 28 and 33 and the cor. of secs. 20, 21, 28 and 29 as points of control. The point for restored cor. is therefore 80.00 chs. South and 37 lks. W. of the cor. of secs. 20, 21, 28 and 29.</p>

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS

The bearing of the W. $\frac{1}{2}$ mile bet. secs. 28 and 33 is N. 88° 46' W., and the distance is 40.01 chs.
 The bearing of the line bet. secs. 28 and 29 is N. 0° 16' E. and the proportionate distance for each $\frac{1}{3}$ mile is 40.00 chs.

From the cor. of secs. 27, 28, 33 and 34 S. 89° 59' W., on resurvey line bet. secs. 28 and 33 Over nearly level land through undergrowth of sagebrush. Line follows along fence, bears E. and W.
 18.35 Wash, 50 lks. wide, 10 ft. deep, drains S.
 40.35 The $\frac{1}{2}$ sec. cor. which is a quartzite stone, 16 x 8 x 4 ins. firmly set in the ground, marked $\frac{1}{2}$ on N. face; no accessories to cor. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground alongside old cor. for $\frac{1}{2}$ sec. cor., with brass cap marked

S28
 $\frac{1}{2}$ S33
 1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Thence

N. 88° 46' W., with continuous measurement

55.55 Old road, bears N. and S.
 65.00 Enter scattering scrub cedar timber, bears N. and S.; begin ascent E. slope of low range of hills.
 80.36 Point for restored cor. of secs. 28, 29, 32 and 33. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, with brass cap marked

T20S	R4W
S29	S28
S32	S33

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees are available.

RESURVEY OF THE SUBDIVISION OF T.20 S., R.4 W.

CHAINS.	<p>Land, gently rolling on E.$\frac{1}{2}$ mile, rolling hills on W.$\frac{1}{2}$ mile; general E. exposure and drainage.</p> <p>Soil, sandy loam. streaked with quartz rock; subsoil, hard, dry, brown sandy clay.</p> <p>Timber, scattering cedar on western portion of mile.</p> <p>Undergrowth, sagebrush.</p> <p>Land suitable for farming and grazing.</p>						
	<p>From the cor. of secs. 28, 29, 32 and 33.</p> <p>N. 0° 16' E., on resurvey line bet. secs. 28 and 29</p> <p>Over rolling hills, through scattering scrub cedar timber and undergrowth of sagebrush. Gradually descend N. and NE. slopes.</p>						
40.00	<p>Proportionate measurement</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for $\frac{1}{2}$ sec. cor., with brass cap marked</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">$\frac{1}{4}$</td> <td style="text-align: left;">$\frac{1}{4}$</td> </tr> <tr> <td style="text-align: right;">S29</td> <td style="text-align: left;">S28</td> </tr> </table> <p style="text-align: center;">1920</p>	$\frac{1}{4}$	$\frac{1}{4}$	S29	S28		
$\frac{1}{4}$	$\frac{1}{4}$						
S29	S28						
	<p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>No suitable bearing trees are available.</p>						
49.15	Leave timber and enter rolling valley, bears E. and W.						
54.15	Old road, bears NW. and SE.						
80.00	<p>The cor. of secs. 20, 21, 28 and 29 which is a quartzite stone, 18 x 8 x 7 ins., lying on the ground, properly marked and not witnessed.</p> <p>Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground and stand old cor. alongside for cor. of secs. 20, 21, 28 and 29, with brass cap marked</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">T20S</td> <td style="text-align: left;">R4W</td> </tr> <tr> <td style="text-align: right;">S20</td> <td style="text-align: left;">S21</td> </tr> <tr> <td style="text-align: right;">S29</td> <td style="text-align: left;">S28</td> </tr> </table> <p style="text-align: center;">1920</p>	T20S	R4W	S20	S21	S29	S28
T20S	R4W						
S20	S21						
S29	S28						
	<p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Cor. stands at SE. cor. of fence, bears N. and W.</p>						

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS SECTION LINE SECTION MILE POINT DISTANCE TIME DATE	LAND DESCRIPTION
00.00	Land, rolling hills and valley; general NE. exposure and drainage.
00.10	Soil, brown clay loam, streaked with limestone and quartz rock; subsoil, hard, dry clay and rock.
00.20	Timber, scrub cedar and pinon on south portion of mile.
00.30	Undergrowth, dense sagebrush.
00.40	Good grazing land.
00.50	From the cor. of secs. 20, 21, 28 and 29.
00.60	West, on resurvey line bet. secs. 20 and 29.
00.70	Over rolling valley through dense sagebrush undergrowth.
00.80	Line follows along fence, bears E. and W.
10.00	Enter scattering scrub cedar timber, bears N. and S.
20.30	Wire fence, bears N. and S.
20.50	Road, bears N. and S., at foot of hill; bearing N. and S.; ascend E. slope.
33.60	Ridge, 120 ft. above valley, bears N. and S.; gradually descend.
39.77	Fall 8' lks. S. of the $\frac{1}{2}$ sec. cor. which is a quartzite stone, 16 x 8 x 5 ins., lying on the ground, marked $\frac{1}{4}$ on one face; no accessories to cor.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground and stand old cor. alongside for $\frac{1}{4}$ sec. cor. with brass cap marked
	<u>S20</u> <u>$\frac{1}{4}$</u> <u>S29</u> 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No suitable bearing trees are available.
40.00	The bearing of this $\frac{1}{2}$ mile is N. $89^{\circ}53'W.$, and the distance is 39.77 chs.
40.10	From $\frac{1}{2}$ sec. cor., continue
40.20	West.
40.30	Shallow draw, drains NW.; gradually ascend.
48.70	Low ridge, 30 ft. above draw, bears NW. and SE.; gradually descend.

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS	
58.60	Leave timber at foot of hills, bears N. and S.; thence over gently rolling land.
80.28	Fall 13 lks. N. of the cor. of secs. 19, 20, 29 and 30 which is a sandstone, 14 x 12 x 6 ins., lying on the ground, properly marked. No accessories to cor. I reset stone 10 ins. in the ground, marked with 5 notches on E. and 2 notches on S. edge, and subsequently, Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground alongside old cor. for cor. of secs. 19 and 20, with brass cap marked
	T20S | R4W S19 | S20
	S29 1920
	Dig pits, 18 x 18 x 12 ins., in each sec., NE. and NW. of cor., 3 ft. dist.
	The bearing of this $\frac{1}{2}$ mile is S.89°49'W., and the distance is 40.51 chs.
	Land, E. and W. portions of mile rolling valley, central portion of mile hilly; general N. exposure and drainage. Soil of valleys, sandy loam about 3 ft. deep, that of hills is gravelly and rocky mixed with loam. Timber, scrub cedar on central part of mile. Undergrowth, dense sagebrush. Valley land suitable for farming, hills good for grazing.
20.00	From the cor. of secs. 19, 20, 29 and 30. N.89°50'W., on resurvey line bet. secs. 19 and 30. Over gently rolling valley, through dense undergrowth of sagebrush.
27.10	Leave valley and enter low hills covered with scrub cedar timber, bears N. and S.; gradually ascend.
33.00	Ridge, 75 ft. above valley, bears N. and S.; gradually descend W. slope
39.65	Leave timber, bears N. and S. Fall 15 lks. S. of the $\frac{1}{2}$ sec. cor., which is a limestone, 24 x 14 x 8 ins., lying on the ground, marked $\frac{1}{2}$ on one

RESURVEY OF SUBDIVISION OF T.20 S., R.4 W.

CHAINS	<p>face; no accessories to cor.</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground and stand old cor. alongside for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ S19 S30 1920</p> <p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor..</p> <p>No suitable bearing trees are available.</p> <p>The bearing of this $\frac{1}{2}$ mile is N.$89^{\circ}37'W.$, and the distance is 39.65 chs.</p> <p>From point 15 lks. S. of $\frac{1}{4}$ sec. cor., continue N.$89^{\circ}50'W.$</p>
44.60	Old road, at foot of hills, 150 ft. below ridge, bears N. and S.; thence over gently rolling valley.
62.40	Road, Delta to Fillmore, Utah, bears N. and S.
71.60	Enter cultivated field, bears N. and S.
82.58	Fall 89 lks. S. of the cor. of secs. 19, 24, 25 and 30 heretofore described.
	The bearing of this $\frac{1}{2}$ mile is N. $88^{\circ}51'W.$; and the distance is 42.94 chs.
	Land, gently rolling valleys and hilly; general N. exposure and drainage.
	Soil, of valleys, rich sandy clay loam about 3 ft. deep, that of hills is shallow sandy loam mixed with rock of limestone and quartz formation.
	Timber, scrub cedar on hills.
	Undergrowth, dense sagebrush.
	Land, suitable for farming and grazing.
	From the cor. of secs. 25, 30, 31 and 36 on the W. bdy of the tp. heretofore described.
	East, on retracement line bet. secs. 30 and 31.
40.00	No trace of the $\frac{1}{4}$ sec. cor. can be found.
80.00	(Record) No trace of the cor. of secs. 29, 30, 31 and 32 can be found.

RESURVEY OF THE SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS																
	<p>Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, with brass cap marked</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T20S</td><td>R4W</td></tr> <tr> <td>S30</td><td>S29</td></tr> <tr> <td colspan="2" style="text-align: center;">—</td></tr> <tr> <td>S31</td><td>S32</td></tr> <tr> <td colspan="2" style="text-align: center;">1920</td></tr> </table> <p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No suitable trees are available.</p> <p>Thence</p> <p>West, on resurvey line bet. secs. 30 and 31.</p> <p>Over rolling hills, through scrub cedar timber and undergrowth of sagebrush. Gradually descend general W. slope.</p> <p>26.30 Road, at foot of hills and leave timber, bears NW. and S.; thence over gently rolling valley gradually descending.</p> <p>33.60 Old road, bears N. and S.</p> <p>40.00 (Record) Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>S30</td></tr> <tr> <td>$\frac{1}{4}$</td><td>S31</td></tr> <tr> <td colspan="2" style="text-align: center;">1920</td></tr> </table> <p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>48.30 Road, from Delta to Fillmore, Utah, bears N. and S. at junction with branch road leading to the W.</p> <p>80.00 The cor. of secs. 25, 30, 31 and 36 on the W. bdy. of the tp. heretofore described.</p> <p>Land, E. 26.30 chs. rolling hills, remainder of mile gently rolling valley; general W. exposure and drainage.</p> <p>Soil, brown sandy clay, streaked with limestone and quartz rock; subsoil, hard, dry clay and rocky.</p> <p>Timber, scrub cedar on E. 26.30 chs.</p> <p>Undergrowth, dense sagebrush.</p> <p>Good grazing and farming land.</p>	T20S	R4W	S30	S29	—		S31	S32	1920		S30	$\frac{1}{4}$	S31	1920	
T20S	R4W															
S30	S29															
—																
S31	S32															
1920																
S30																
$\frac{1}{4}$	S31															
1920																

SUBDIVISION OF T.20 S., R.4 W.

CHAINS

From the standard cor. of secs. 35 and 36 on the S. bdy. of the tp. heretofore described.

North, on random line bet. secs. 35 and 36

40.00 Set temp. $\frac{1}{4}$ sec. cor.

81.79 Intersect E. and W. line 1.50 chs. E. of the cor. of secs. 25, 26, 35 and 36.

Thence from cor. of secs. 25, 26, 35 and 36

South, on true line bet. secs. 35 and 36

Over rolling land through scattering scrub cedar timber, sage, oak and juniper undergrowth.

.80 The SE. cor. of wire fence, bears W. and N.

.90 Road or lane, bears E. and W.

1.10 Wire fence, bears E. and W.

5.80 Old road, bears E. and W..

15.00 Shallow draw, drains N. 70° W.

29.20 Draw, drains NW.

38.20 Road, bears NW. and SE.

40.00 On ridge, 100 ft. above draw at 29.20 chs., bears NW.

and SE. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins.

in the ground for $\frac{1}{4}$ sec. cor. W. bdy. sec. 36, with brass cap marked

$\frac{1}{4}$ S36

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

No suitable trees available.

Gradually descend SW. slope.

40.89 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 35, with brass cap marked

$\frac{1}{4}$ S35

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable trees available.

SUBDIVISION OF T.20 S., R.4 W.

CHAINS	
49.20	Draw, 40 ft. below ridge, drains NW.; ascend.
61.80	Ridge, 50 ft. above draw, bears NW. and SE.; descend.
76.80	Draw, 75 ft. below ridge, drains NW.; ascend 50 ft. to
81.79	Intersect S. bdy. of the tp. 1.50 chs. N. $89^{\circ}46'W.$ of the standard cor. of secs. 35 and 36 heretofore described. At point of intersection, Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 35 and 36, with brass cap marked
	T20S | R4W S35 | S36
	S2 T21S 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Note: The cor. of secs. 35 and 36 was subsequently marked for angle point.
	Land, rolling, general W. exposure and drainage.
	Soil, brown clay loam, mixed with gravel and rock of limestone and quartz formation; subsoil, hard, dry clay and rock.
	Timber, scattering scrub cedar.
	Undergrowth, dense sage, scattering clusters of oak and juniper brush.
	Good grazing land.
40.00	From the cor. of secs. 25, 26, 35 and 36 East, on a random line bet. secs. 25 and 36.
81.25	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect E. bdy. of the tp. 12 lks. N. of the cor. of secs. 25, 30, 31 and 36 heretofore described.
	Thence N. $89^{\circ}55'W.$, on true line bet. secs. 25 and 36
	Over rolling land through very dense oak brush under- growth.
2.30	Wire fence, bears NW., SE. about 1 ch., thence W.

SUBDIVISION OF T.20 S., R.4 W.

CHAINS

- 13.00 Small irrigation ditch, flows NW. of land.
- 40.62 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and 10 ins. in a mound of stone for $\frac{1}{4}$ sec. cor. S. bdy. sec. 25, with brass cap marked.
- 1S25
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. 1920
- 41.25 Easting of 40.00 chs. from cor. of secs. 25, 26, 35 and 36.
- Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and 10 ins. in a mound of stone for $\frac{1}{4}$ sec. cor. N. bdy. sec. 36, with brass cap marked
- 1S36
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
- 47.00 Enter scrub cedar timber and leave dense oak brush, bears N. and S.
- 81.25 The cor. of secs. 25, 26, 35 and 36.
- Land, rolling, slopes and drains W.
- Soil, brown loam and rocky of limestone formation; sub-soil, dry clay and rock.
- Timber, scrub cedar on west portion of mile.
- Undergrowth, dense oak, scattering sage and service berry brush.
- Good grazing land.
-
- From the standard cor. of secs. 32 and 33 on the S. bdy. of the tp. heretofore described.
- North, on a random line bet. secs. 32 and 33.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 81.33 Intersect E. and W. line 59 lks. W. of the cor. of secs. 28, 29, 32 and 33.

SUBDIVISION OF T.20 S., R.4 W.

CHAINS

Thence from cor. of secs. 28, 29, 32 and 33.

South, on true line bet. secs. 32 and 33.

Along E. slope of rolling hills, through scattering scrub cedar timber and undergrowth of sagebrush.

40.66 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. on N.W. bdy. Sec. 33, with brass cap mkd. | $\frac{1}{4}$ S33

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. No suitable trees available.

41.33 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 32, with brass cap marked |

$\frac{1}{4}$ S32

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable trees available.

81.33 Intersect S. bdy. of the tp. 59 lks. S. $89^{\circ}55'$ E. of the standard cor. of secs. 32 and 33 heretofore described. At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 32 and 33, with brass cap marked |

T20S | R4W

S32 | S33

S4

T21S

1920

No suitable trees available, stone cannot be secured for mound and it is too sandy to dig pits.

Note: Standard cor. of secs. 32 and 33 subsequently changed to angle point.

Land, rolling hills; E. exposure and drainage.

Soil, sandy loam and gravelly; subsoil, dry sandy clay.

Timber, scattering scrub cedar and some pinon.

Undergrowth, dense sagebrush.

SUBDIVISION OF T.20 S., R.4 W.

CHAINS	Good grazing land.
	From the cor. of secs. 29, 30, 31 and 32. South, on a random line bet. secs. 31 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.20	Intersect S. bdy. of the tp. 1.00 ch. N.89°35'W. of the standard cor. of secs. 31 and 32 which is changed to angle point, heretofore described. At point of intersection, Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in a large mound of stone, for cor. of secs. 31 and 32, with brass cap marked
	T20S | R4W S31 | S32 S6 T21S 1920
	No suitable trees available.
	Thence
	North, on true line bet. secs. 31 and 32.
	Over rolling hills, through scattering cedar timber and undergrowth of sage and rabbit brush. Gradually ascend.
8.50	Spur, 30 ft. above cor., projects W.; descend.
13.40	Draw, 60 ft. below spur, drains W.; ascend.
27.80	Ridge, 75 ft. above draw, bears E. and W.; thence over numerous unimportant spurs and draws.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. W. bdy. sec. 32 with brass cap marked
	$\frac{1}{4}$ S32 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
	No suitable trees available.
40.60	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 31, with brass cap marked

SUBDIVISION OF T.20 S., R.4 W.

CHAINS

1/4S31

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable trees available.

Cor stands on edge of small draw, drains NW.

47.10 Draw, drains SW.; ascend abruptly.

52.60 Spur, 100 ft. above draw, projects SW.; descend.

60.20 Draw, 45 ft. below spur, drains SW.; ascend.

64.70 Ridge, 45 ft. above draw, bears E. and W.; descend.

69.60 Ravine, 100 ft. deep, drains W.; ascend abruptly.

73.60 Spur, 100 ft. above ravine, projects W.; descend.

81.00 Draw, 110 ft. below spur, drains S. 80° W.; ascend.

81.20 The cor. of secs. 29,30,31 and 32.

Land, hilly, broken by sharp spurs and ravines; general W. exposure and drainage.

Soil, shallow sandy loam and rocky of limestone and quartz formation; subsoil, sandy loam and rock.

Timber, scrub cedar and pinon.

Undergrowth, sagebrush and rabbit brush.

Good grazing land.

From the cor. of secs. 29,30,31 and 32.

East, on a random line bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

82.77 Intersect N. and S. line 14 lks. N. of the cor. of secs. 28,29,32 and 33.

Thence

N. $89^{\circ}54'W.$, on true line bet. secs. 29 and 32.

Over rolling hills, through scrub cedar timber and undergrowth of sagebrush. Ascend over E. slope.

20.30 Spur, 250 ft. above sec. cor., projects SE.; descend.

30.15 Ravine, 80 ft. below spur, drains SE.; ascend.

40.00 On ridge, 110 ft. above ravine, bears N. and S.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS

S29

 $\frac{1}{4}$ S32

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Descend.

49.75 Draw, 100 ft. below ridge, drains NW.; ascend.

53.15 Spur, 45 ft. above draw, projects NW.; descend general W. slope 275 ft. to

82.77 The cor. of secs. 29, 30, 31 and 32.

Land, rolling hills, slopes and drains E. and W. from ridge at 40.00 chs.

Soil, shallow sandy loam, gravelly and rocky of limestone and quartzite formation; subsoil, hard, dry clay and rock.

Timber, scrub cedar and pinon.

Undergrowth, sagebrush.

Good grazing land.

From the cor. of secs. 29, 30, 31 and 32.

North, on a random line bet. secs. 29 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect S. bdy. sec. 19, 2.72 chs. N. $89^{\circ}37'W.$ of the cor. of secs. 19, 20, 29 and 30 which I change to read for secs. 19 and 20.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 29 and 30, with brass cap marked

T20S R4W

S19

S30 S29

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Thence

South, on true line bet. secs. 29 and 30.

SUBDIVISION OF T. 20 S., R. 4 W.

CHAINS

- Over gently rolling valley, through dense sagebrush undergrowth. Ascend gradually.
- 14.60 Enter scattering scrub cedar timber, bears E. and W.
- 36.50 Old wood road, bears E. and W.
- 39.90 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked 4
S30 | S29
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- No suitable bearing trees available.
- 56.60 Leave valley and enter rolling hills, bears E. and W.; ascend.
- 66.90 Ridge, 110 ft. above valley, bears NW. and SE.; descend over general S. slope of ridge.
- 79.80 The cor. of secs. 29, 30, 31 and 32, 75 ft. below ridge.
- Land, N. 56.60 chs., gently rolling valley, slopes and drains N., remainder of mile hilly; general W. exposure and drainage.
- Soil, of valley, rich sandy loam about 3 ft. deep; soil of hills, brown sandy clay mixed with gravel and rock of sandstone and limestone formation on subsoil of dry clay and rock.
- Timber, scrub cedar on S. part of mile.
- Undergrowth, dense sage and scattering rabbit brush.
- Good farming land in valley, grazing land on hilly portion.

BOUNDARIES OF T.20 S., R.4 W.

349

LATITUDES, DEPARTURES AND CLOSING ERRORS.

EASTERN PORTION T.20 S., R.4 W.

Lines designated	True bearings	Dist- ances	Latitudes		Departures	
			N	S	E	W
Bet.secs.34&35	N.0°45'W.	80.29	80.29	.....	.....	1.05
Bet.secs.26&35	S.89°59'E.	40.13	.....	1.01	40.13	.....
"	N.88°17'E.	40.02	1.20	.....	40.00	.....
Bet.secs.25&26	N.0°11'W.	40.00	40.00	.....	.....	.13
"	N.0°19'W.	39.39	39.39	.....	.....	.22
Bet.secs.24&25	N.88°44'E.	40.60	.....	40.59	.....	.....
"	N.89°44'E.	40.48	.....	40.48	.....	.....
E.bdy.T20SR4W	S.0°20'E.	39.90	.....	39.90	.....	.....
"	S.0°20'E.	40.86	.....	40.86	.....	.24
"	S.0°09'E.	40.82	.....	40.82	.....	.11
"	S.0°15'E.	41.28	.....	41.28	.....	.....
S.bdy.T20SR4W	S.89°08'W.	39.93	.....	39.93	.....	.....
"	N.88°54'W.	40.19	.....	40.18	.....	.....
"	N.89°46'W.	40.28	.....	40.28	.....	.....
"	West	40.28	.....	40.28	.....	.....
Convergency					.05	.....
Totals						
			162.90	163.47	162.01	162.07
				162.90		
Error in latitude						
				.57		162.01
Error in departure						
						.06

WESTERN PORTION T.20 S., R.4 W.

Lines designated	True bearings	Dist- ances	Latitudes		Departures	
			N	S	E	W
S.bdy.T20SR4W	N.89°57'W.	40.28	.....04	.....	.....	40.28
"	N.89°55'W.	40.55	.....06	.....	.....	40.55
"	N.89°50'W.	40.57	.....12	.....	.....	40.57
"	N.89°52'W.	40.62	.....10	.....	.....	40.62
"	N.89°35'W.	40.37	.....29	.....	.....	40.37
"	N.89°46'W.	40.83	.....16	.....	.....	40.83
W.bdy.T20SR4W	N.0°01'E.	40.38	40.38	.....	.01	.....
"	N.0°04'E.	40.38	40.38	.....	.05	.....
"	N.0°07'E.	40.34	40.34	.....	.08	.....
"	N.0°07'E.	40.43	40.43	.....	.08	.....
Bet.secs.19&30	S.88°51'E.	42.94	.....	.86	42.93	.....
"	S.89°37'E.	39.65	.....	.27	39.65	.....
Bet.secs.20&29	N.89°49'E.	40.51	.....13	.....	40.51	.....
"	S.89°53'E.	39.77	.....	.08	39.77	.....
Bet.secs.28&29	S.0°16'W.	80.00	.....	80.00	.....	.37
Bet.secs.28&33	S.88°46'E.	40.01	.....	.86	40.00	.....
"	N.89°59'E.	40.35	.....01	.....	40.35	.....
Bet.secs.33&34	S.0°04'W.	80.64	.....	80.64	.....	.09
Convergency			.....	.....	.08	.....
Totals						
			162.45	162.71	243.51	243.68
				162.45		
Error in latitude						
				.27		243.51
Error in departure						
						.17

GENERAL DESCRIPTION T. 20 S., R. 4 W.

The surveys included in this fractional township comprise two parcels of land located along the south boundary in the east and west parts of the township. The eastern part lies at the foot of a high mountain range while the western part lies partly in a valley and on a low range of hills which are situated on the east side of a large desert. The land all has a general W. exposure and drainage.

The soil of the hilly land is a light brown clay loam, mixed with gravel and rock of quartz, limestone and sandstone formation, while that of the valley lands and wide draws is a rich sandy loam about 3 ft. deep.

A considerable growth of scrub cedar timber is found on the fractions, the heaviest growth being on the hills in secs. 29 and 32. In secs. 25 and 36 a dense growth of tall oak brush is found. Other species of undergrowth which grow abundantly on the entire township are, sage, rabbit and juniper brush. The soil also supports a good growth of grass suitable for grazing of sheep or cattle.

I do not find any indications of mineral in the township. The only water found in the township is in sec. 25. This water has been diverted from streams in the township to the east and flows through sec. 25 in ditches to be used for irrigation in the valley west.

Considerable farming is being done in the previously surveyed areas in secs. 25, 30, 31 and 33; many fence lines have also been established. An area of about 100 acres has been cleared and seeded to grain in the NW of sec. 33 of the new survey.

There are no settlers living on the land surveyed under this group.

The hilly and mountainous part of this fractional township is best adapted for grazing of sheep and cattle while the valley and draws can be reclaimed and crops can be raised either by dry farming or irrigation. Many

GENERAL DESCRIPTION T.20 S., R.4 W.

artesian wells have been drilled in the vicinity of this township and it is possible that good results could be obtained on this township.

Howard W. Meier

U. S. Cadastral Engineer.

Volume

#

R0453

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Page

BOOK A-453

4-680

FIELD ASSISTANTS.

G-2764

CERTIFICATE OF UNITED STATES SURVEYOR

U. S. Cadastral Engineer

I, Howard W. Miller

, U. S. Surveyor, hereby certify upon honor that, in pursuan

of special instructions received from the U. S. Surveyor General for Utah
 bearing date of the 5th day of March, 1918, I have well, faithfully, and truly
 in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instru-
 tions, and the laws of the United States, surveyed all those parts or portions of Resurvey of the
 west boundary, resurvey of the 4th standard parallel south, range
 4 west, resurvey of the east boundary and subdivision and survey
 of the subdivision of T. 20 S., R. 4 W.

of the Salt Lake Base

and Meridian, in the State of Utah, which are represented
 and date diagram on dates as shown on diagram
 the foregoing field notes as having been executed by me, and under my direction; and that all the corners
 said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru-
 tions, and the special written instructions of the U. S. Surveyor General for Utah
 and in the specific manner described in the field notes, and that the foregoing are the original field notes
 such survey.

Salt Lake City, Utah,
 March 19, 1921.

Howard W. Miller
 U. S. Cadastral Engineer, U. S. Surveyor

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Aug. 31, 1921.

The foregoing field notes of the survey of resurvey of the 4th standard parallel
 South, through Range No. 4 West; resurvey of the east and west bound-
 ries and subdivision; and the survey of the subdivision of Township No
 20 South, Range No. 4 West of the Salt Lake Base and Meridian, Utah;

executed by Howard W. Miller

under his special instructions dated March 5, 1918, having been
 critically examined, and the necessary corrections and explanations made, the said field notes and the surveys
 they describe, are hereby approved.

A. Scherer
 U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
 has been correctly copied from the original notes on file in this office.

BOOK A-453

4-680

FIELD ASSISTANTS.

NAMES.

CAPACITY.

Kimball D. Williams Chairman.

CADASTRAL ENGINEER.
CERTIFICATE OF UNITED STATES SURVEYOR XXX

U. S. Cadastral Engineer

I, Howard W. Miller, U.S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 15 day of February, 1922, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, ^{re} surveyed all those parts or portions of the Fourth Standard Parallel South, through Range No. 4 West

of the Salt Lake Base

and Meridian, in the State of Utah, which are represented by the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Washington, D.C.
March 19, 1923.

Howard W. Miller

U.S. Surveyor

U. S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 14, 1922

The foregoing field notes of the ^{re} survey of a portion of the Fourth Standard Parallel South, through Range No. 4 West of the Salt Lake Base and Meridian, Utah

executed by Howard W. Miller

supplemental
under his special instructions dated February 15, 1922, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved.

D. B. Bowes
U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.

BOOK A-453

F

APR 14 1922

FIELD NOTES

OF THE SURVEYOR

RETRACEMENT OF PORTION OF 8TH STANDARD PARALLELSOUTH, THROUGH RANGE 3 WEST.SURVEY OF THE WEST BOUNDARY AND SUBDIVISION OFTOWNSHIP 41 SOUTH, RANGE 3 WEST.Of the Salt Lake Base and Meridian,In the State of UTAH

EXECUTED BY

ANDREW NELSON, U.S. CADASTRAL ENGINEER.

In the capacity of U.S. Surveyor, under instructions dated June 4, 1918,
 issued by the United States Surveyor General to govern surveys included in
 Group No. 73, which were approved by the Commissioner of the General Land
 Office, July 22, 1918,
XXX and Supplemental Assignment Instructions
 dated June, 7, 1921.

Survey commenced June 22, 1921, 1921Survey completed July 26, 1921, 1921

INDEX DIAGRAM.

Township 41 South, Range 3 West. .4

10	6	79	5	62	4	49	3	36	2	23	1
	79		78		61		48		35		22
9	7	77	8	60	9	47	10	34	11	21	12
	76		75		59		46		33		20
8	18	73	17	58	16	45	15	32	14	19	13
	73		72		57		44		31		18
7	19	70	20	55	21	43	22	29	23	16	24
	69		68		54		42		28		15
6	30	67	29	53	28	40	27	27	26	14	25
	66		65		52		39		26		13
4	31	63	32	50	33	37	34	25	35	12	36

T. 41 S., R. 3 W.

DATE DIAGRAM OF T. 41 S., R. 3 W.

		31	32	33	34	35	36		31
8th standard parallel south.									
		6	5	4	3	2	1		
-7-19/21		7-25/21	7-25/21	7-25/21	7-15/21	7-13/21	7-13/21	7-2/21	
		7	8	9	10	11	12		
	-7-23/21	7-23/21	7-23/21	7-14/21	7-13/21	7-12/21	7-1/21	6-30/21	
		18	17	16	15	14	13		
	-7-22/21	7-22/21	7-22/21	7-11/21	7-7/21	7-1/21	6-29/21	6-25/21	
		19	20	21	22	23	24		
	-7-21/21	7-20/21	7-11/21	7-7/21	7-6/21	6-29/21	6-25/21	6-24/21	
		30	29	28	27	26	25		
-7-18/21	7-16/21	7-16/21	7-8/21	7-6/21	7-5/21	6-28/21	6-24/21	6-23/21	
		31	32	33	34	35	36		
	-7-16/21	7-8/21	7-5/21	6-27/21	6-23/21				

The lines in this township were surveyed by Andrew Nelson, U.S.Cadastral Engineer, on dates as shown on the above diagram.

Survey commenced June 22, 1921, and executed with a Buff & Buff light mountain transit No. 99 78, equipt with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers, placed opposite to each other and reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs and

Test of Instrument.

vertical circle.

The instrument was approved for use in this survey, conditional upon satisfactory field tests, by the Assistant Supervisor of Surveys for Utah, in assignment instructions dated June 7, 1921.

June 22: At my camp near the $\frac{1}{4}$ cor of secs. 27 and 28, T. 41 S., R. 3 W., S. L. B. & Mer., in approximate latitude $37^{\circ}14'$ N., longitude $112^{\circ}10'$ W. I examine the adjustment of the transit and find no errors, then, to test the solar apparatus by comparing its indications hourly with a true meridian as established by observations on Polaris, I proceed as follows:

At 1h 35.9m a.m., l.m.t., I observe Polaris at eastern elongation, making six observations, three each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, about 12 chs. N.

Azimuth of Polaris at eastern elongation = $1^{\circ}24'11''$.

At 7h. a.m., I lay off the azimuth of Polaris $1^{\circ}24\frac{1}{4}'$ to the west, and mark the meridian thus determined by a nail in a peg driven firmly in the ground, about 12 chs. N.

At 8h 6m a.m., app.t., I set off $37^{\circ}14'$ N. on the lat. arc; $23^{\circ}27\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar which I find bears $.1'$ to the west of the true meridian.

At apparent noon I make a meridional observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude ----- $76^{\circ}13'30''$

Reduced latitude ----- $37^{\circ}13.5'$ N.

Mean watch time of observation --- 1h 57' 35"

Watch slow of local mean time -- 4m 3s

At apparent noon, with the lat. arc, unchanged I

observe the sun on the meridian; the resulting reading of the decl. arc. is $23^{\circ}26\frac{1}{2}'$ N. which is $\frac{1}{2}'$ low of computed declination of the sun.

At 3h 30m p.m., app.t., I set off $37^{\circ}13\frac{1}{2}'$ N. on the lat. arc; $23^{\circ}27\frac{1}{4}'$ N. on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Near the completion of this township I make final test of the solar apparatus, at the above station as follows:

July 24: At 9h 0m a.m., app.t.; I set off $37^{\circ}13\frac{1}{2}'$ N. on the lat. arc; $19^{\circ}54\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

At apparent noon with the lat. arc. unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc. is $19^{\circ}52\frac{1}{2}'$ N., which agrees with the computed decl. of the sun.

At 3h. 15m p.m., app.t., with lat. arc. unchanged, I set off $19^{\circ}51\frac{1}{4}'$ N. on the decl. arc; and determine a meridian with the solar which I find reads $\frac{1}{2}'$ to the west of the true meridian. Therefore I conclude that the adjustments are satisfactory.

The instrument was kept in good adjustment during the progress of the survey, frequent tests being made on the above Polaris meridian. Latitude observations were made daily whenever practicable.

MEASUREMENTS.

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 8 chains in length, compared with a Lufkin standard steel tape 1 chain in length, and found correct. The measurements are made on the

Retracement of 8th Standard Parallel South, R. 3 W.

Chains

slope, the vertical angle determined with clinometers, and the slope measurements properly reduced to true horizontal distances, which only appear in these notes.

Retracement of the 8th Standard Parallel South,
through portion of Range 3 West.

From the standard cor. of secs. 35 and 36, which is a hard red sandstone, 20x14x3 ins., firmly set, marked and witnessed as described by the surveyor general.

Thence

East, on retracement line, along S. bdy. sec. 36.

43.87 Intersect the standard $\frac{1}{4}$ sec. cor., which is a sandstone 24x10x6 ins., firmly set, marked and witnessed as described by the surveyor general.

True course and distance of this half mile is East, 43.87 chs.

Continue East, from $\frac{1}{4}$ cor., with continuous measurement.

80.28 Intersect the standard cor. of T. 40 S., Rs. 2 and 3 W., which is an iron post, 3 ins. dia., extending 12 ins. above ground, also a sandstone 10x10x8 ins. above the ground, firmly set, both stone and post properly marked and witnessed as described by the surveyor general.

True course and distance of E. half mile is therefore, East, 36.41 chs.

West Boundary of T. 41 S., R. 3 W.

From the cor. of Ts. 41 and 42 S., Rs. 3 and 4 W.; an iron post, 3 ins. dia., extending 10 ins. above a mound of stone, as established by me, and described in the survey of T. 42 S., R. 3 W.

Thence, along W. bdy. of the tp.

North, bet. secs. 31 and 36.

Over mountainous land, through dense timber and medium growth of undergrowth; desc. abrupt, rocky N. slope.

West Boundary of T. 41 S., R. 3 W.

Chains

- 4.75 Bottom of narrow, rocky canyon, near head, 125 ft. below tp. cor., course N. 70° E.; asc. abrupt S. slope, 115 ft.
- 9.00 Top of 12 ft. rim ledge and N. rim of the canyon, bears NE. and SW.; thence over rolling mesa land.
- 13.00 Begin gradual descent over NE. and N. exposures.
- 25.00 Depression on E. slope, 65 ft. below the 13 ch. point, drains E.
- 40.00 On a gentle NW. slope, 50 ft. below the 13 ch. point. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked

$\frac{1}{2}$

S36

S31

1921

from which

A pinon, 8 ins. diam., bears S. $24\frac{1}{4}^{\circ}$ E., 43 lks.
dist., marked $\frac{1}{4}$ S31 BT

A cedar, 18 ins. diam., bears S. $74\frac{1}{2}^{\circ}$ W., 46 lks.
dist., marked $\frac{1}{4}$ S36 BT

- 43.50 S. rim of canyon, bears NE. and SW.; desc. abruptly over series of broken sandstone ledges, 360 ft. to
- 66.00 Wash, 20 lks. wide, 8 ft. deep, in bottom of canyon, course NE.; asc. abruptly over broken ledges, S. slope.

- 76.50 N. rim of canyon, 325 ft. above bottom, bears N. 60° E. and SW.; thence over rolling mesa, gradually asc. 40 ft.

- 80.00 On a gradual S. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 25-30-31 and 36, with brass cap marked

T41S	
R4W	R3W
S25	S30
S36	S31

1921

from which

A pinon, 12 ins. diam., bears N. $36\frac{1}{2}^{\circ}$ E., 23 lks.
dist., marked T41S R3W S30 BT

A cedar, 14 ins. diam., bears S. $17\frac{1}{4}^{\circ}$ E., 46 lks.
dist., marked T41S R3W S31 BT

A cedar, 8 ins. diam., bears S. $37\frac{1}{2}^{\circ}$ W., 103 lks.
dist., marked T41S R4W S36 BT

A cedar, 24 ins. diam., bears N. 72° W., 18 lks.
dist., marked T41S R4W S25 BT

West Boundary of T. 41 S., R. 3 W.

Chains	<p>Land, mountainous and rolling mesa; N. and S. exposures, drainage to NE.</p> <p>Soil, rocky in form of ledges and loose rock, with some shallow sandy loam, on the canyon slopes; loose sandy loam, 1 to 3 ft. deep, lying on hard-pan and rock, on the mesa; red sandstone formation.</p> <p>Timber, dense cedar and pinon, on ridge.</p> <p>Undergrowth, medium growth of black sagebrush, with some scattering service and oak brush.</p> <p>Fair grazing land.</p> <hr/> <p>North, bet. secs. 25 and 30.</p> <p>Over rolling mesa land, through dense timber and medium growth of undergrowth; gently asc. S. slope; 20 ft. to</p>
7.00	<p>Top of ridge, bears W. and NE.; leave timber, bears NE. and SW.; thence over general N. and NE. exposures.</p>
37.00	<p>Enter few scattered cedar and pinon, bears E. and W.</p>
40.00	<p>On gentle N. slope, 100 ft. below top at 7 chs.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p>
	$\frac{1}{4}$ S25 S30 1921
	<p>from which</p> <p>A cedar, 16 ins. diam., bears N.$29\frac{1}{4}^{\circ}$E., 292 lks. dist., marked $\frac{1}{4}$ S30 BT.</p> <p>A cedar, 14 ins. diam., bears N.$37\frac{1}{2}^{\circ}$W., 575 lks. dist., marked $\frac{1}{4}$ S25 BT.</p>
47.60	<p>Swale, 10 ft. below $\frac{1}{4}$ cor., drains NE.</p>
56.90	<p>Low sand ridge, 40 ft. above swale, and leave timber, bearing NE. and S.70°W.; gradually desc. N. slope, 100 ft. to</p>
80.00	<p>On gentle N. slope.</p> <p>Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 19-24-25 and 30, with brass cap marked</p>

West Boundary of T. 41 S., R. 3 W.

Chains.

T41S	
R4W	R3W
S24	S19
S25	S30

1921

from which

A cedar, 8 ins. diam., bears N. $19\frac{1}{2}$ ^oE., 252 lks.

dist., marked T41S R3W S19 BT

A cedar, 18 ins. diam., bears S. $58\frac{3}{4}$ ^oE., 477 lks.

dist., marked T41S R3W S30 BT

A. pinon, 30 ins. diam., bears N. $38\frac{1}{2}$ ^oW., 315 lks.

dist., marked T41S R4W S24 BT

and dig pits, 18x18x12 ins., in each sec. 3 ft. dist. of post. No other bearing tree available.

Cor. stands in S. edge of scattering timber, bearing NW. and SE.

Land, rolling mesa, with general NE. and N. exposure and drainage.

Soil, deep, loose sandy loam, on hard-pan and rock subsoil.

Timber, scattering and dense cedar and pinon, on portions of the mile.

Undergrowth, medium dense black sagebrush, with scattered patches of service and oak brush.

Good grazing land.

North, bet. secs. 19 and 24.

Over rolling and broken land, through scattering timber and medium growth of underbrush; desc. N. slope, 100 ft.

4.90 Gulch, near head, course N. 80° E.; asc. gradual, broken S. slope, 200 ft. to

20.00 Ridge, bears E. and W.; thence gradually desc. along N. and NW. slopes, 25 ft. to

38.00 Base of descent in low saddle of ridge, bears N. 70° W. and SE.

40.00 On gentle S. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S24 | S19

1921

West Boundary of T. 41 S., R. 3 W.

Chains

	from which
	A cedar, 12 ins. diam., bears S. 79° E., 79 lks. dist., marked $\frac{1}{4}$ S19 BT
	A cedar, 6 ins. diam., bears N. 83° W., 93 lks. dist., marked $\frac{1}{4}$ S24 BT
47.75	Top of low sand ridge, 40 ft. above $\frac{1}{4}$ cor., bears N. 70° E. and S. 80° W.; gradually desc. N. slope, 80 ft. to On gentle N. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 13-18-19 and 24, with brass cap marked
	T41S R4W [R3W S13 | S18 ----- S24 | S19
	1921
	from which
	A cedar, 12 ins. diam., bears N. $27\frac{1}{2}^{\circ}$ E., 114 lks. dist., marked T41S R3W S18 BT
	A cedar, 8 ins. diam., bears S. 10° E., 88 lks. dist., marked T41S R3W S19 BT
	A cedar, 8 ins. diam., bears S. $63\frac{1}{2}^{\circ}$ W., 180 lks. dist., marked T41S R4W S24 BT
	A cedar, 14 ins. diam., bears N. 84° W., 199 lks. dist., marked T41S R4W S13 BT
	Land, rolling and broken or hilly; general exposure and drainage to NE.
	Soil, red, loose sandy loam.
	Timber, scattering cedar and pinon.
	Undergrowth, medium dense black sagebrush, 2 to 3 ft. high. Good grazing land.
	North, bet. secs. 13 and 18.
	Over rolling land, through scattering timber and dense sagebrush; gradually desc. N. and NE. slopes, 170 ft.
	Swale, drains NE., and dim road, bears NE. and SW.
29.80	Low sand ridge, 20 ft. above swale, bears NE. and SW.
37.20	On gentle N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S13 | S18

1921

West Boundary of T. 41 S., R. 3 W.

Chains.

from which

A cedar, 34 ins., diam., bears S. 66° E., 140 lks.
dist., marked $\frac{1}{4}$ S18 BT
A cedar, 30 ins. diam., bears S. 30° W., 122 lks.
dist., marked $\frac{1}{4}$ S13 BT

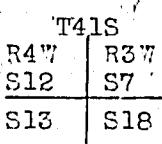
45.00 Leave timber, bears NE. and SW.

57.00 Head of swale, 50 ft. below $\frac{1}{2}$ cor., drains N. 70° E.

73.00 Low sand raise, 50 ft. above swale, bears N. 70° E. and S. 70° W.

80.00 On a gradual N. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 7-12-13 and 18, with brass cap marked.



1921

dig pits, 18x18x12 ins., in each sec. 3 ft. dist. of post.

Land, rolling, with general NE. and E. exposure and drainage.

Soil, deep, red sandy loam.

Timber, scattered cedar and pinon, on S. 45 chs.

Undergrowth, dense black sagebrush and rabbit-brush, about 3 ft. high. Good grazing land.

North, bet. secs. 7 and 12.

Over rolling land, through dense short undergrowth.; along land with general E. exposure.

21.80 Swale, 60 ft. below sec. cor., course N. 80° E.

30.75 Low sandy ridge, 35 ft. above swale, bears NE. and S. 60° W.

40.00 On a gentle N. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S12 S7

1921

dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

West Boundary of T. 41 S., R. 3 W.

Chains	
52.60	Swale, 20 ft. deep, drains N.60°E.
76.75	Top of sandy raise, 70 ft. above swale, bears E. and W.
80.00	On N. slope, 30 ft. below the raise. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 1-6-7 and 12, with brass cap marked.
	T41S R4W R3W S1 S6 --- S12 S7
	1921
	from which
	A cedar, 14 ins. diam., bears N.61 $\frac{3}{4}$ °E., 263 lks. dist., marked T41S R3W S6' BT
	and dig pits, 18x18x12 ins., in each sec., 3 ft. dist. of post. No other bearing tree available.
	Land, rolling, with general E. exposure and drainage. Soil, deep, loose, red sandy loam.
	Undergrowth, dense black sagebrush, yellow-top, and rabbit brush. Good grazing land. No timber.
<hr/>	
	North, bet. secs. 1 and 6.
	Over rolling and low broken land, through few scattered trees, and medium dense undergrowth.
2.90	Small branch draw, 70 ft. below sec. cor., course E. for 4 chs. to main Deer Spring Wash, course SE.
7.85	S. edge of level bottom land lying along Deer Spring Wash, 30 ft. below sec. cor., bears NW. and S.30°E.; leave all timber, continue through dense undergrowth, bears with bottom land.
15.10	Deer Spring Wash, 3 chs. wide, 12 ft. deep, in large ravine, dry, course SE.
24.70	Dim old road; bears NW. and SE.
25.50	N. edge of bottom land, enter broken land facing SW. and medium dense timber, bears N.50°W. and S.50°E.
40.00	On a SW. slope, 80 ft. above the wash. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

West Boundary of T. 41 S., R. 3 W.

Chains

and to

.006 miles S. from N.W.-1/4 corner, a pinon tree
stands on level ground. S16 S31 S6

dated 1921, which is witness to the survey line,

from which

A pinon, 14 ins. diam., bears S.34°E., 60 lks.
dist., marked $\frac{1}{4}$ S6 BT

A pinon, 7 ins. diam., bears N.28°W., 40 lks.
dist., marked $\frac{1}{4}$ S1 BT

Continue gradual ascent over broken and rolling land
facing SW.

Intersect the 8th standard parallel south, West, 5.56

chs. dist. of the standard $\frac{1}{4}$ sec. cor., which is a
sandstone, 12x10x8 ins. above ground, firmly set,
marked and witnessed as described by the surveyor gener-

al. At point of intersection, I

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in
the ground, for closing cor. of T. 41 S., Rs. 3 and 4
W., with brass cap marked

T40S R3W

S31

S1 S6

R4W R3W

T41S

CC

1921

from which

A cedar, 8 ins. diam., bears S.84°E., 77 lks.
dist., marked T41S R3W S6 CC BT

A cedar, 7 ins. diam., bears S.60 $\frac{1}{3}$ °W., 64 lks.
dist., marked T41S R4W S1 CC BT

Cor. stands on nearly level ground, 180 ft. above the $\frac{1}{4}$
sec. cor. to the S.

Land, rolling and broken, with NE. and SW. exposures into
Deer Spring Wash, which drains south-easterly.
Soil, loose sandy loam, with some scattered rocks and
gravel; white sandstone formation.

Timber, medium dense and scattering cedar and pinon, on
portions of the mile.

Undergrowth, medium growth of sagebrush, yellow-top and
rabbit-brush. Good grazing land.

Subdivision of T. 41 S., R. 3 W.

Chains	
	From the cor. of secs. 1-2-35 and 36 on S. bdy. of tp., an iron post, 2 ins. dia., extending 12 ins. above ground, as established by me, and described in notes of the survey of T.42 S., R.3 W. N. 0°01' W., bet. secs. 35 and 36.
15.00	Over mountainous land, through dense scrub timber and scattering undergrowth; desc. steep, rocky N. slope. Base of the steep descent, 150 ft. below cor., bears E. and W.; continue more gradual descent over N. and NW. slopes.
28.35	Base of descent and head of small ravine, 270 ft. below sec. cor., course S.80°W.; saddle of low divide bearing N and S., bears E. of line about 10 chs. dist. Begin gradual ascent over broken S. slope.
30.25	Trail, bears N.80°W. and S.80°E.
40.00	On a NW. slope, 50 ft. above base of descent. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	 S35 S36 1921
55.00	from which A pinon, 8 ins. diam., bears N.85°E., 34 lks. dist., marked $\frac{1}{2}$ S36 BT
70.50	A pinon, 8 ins. diam., bears S.79 $\frac{1}{2}$ °W., 48 lks. dist., marked $\frac{1}{2}$ S35 BT
71.85	Base of high red sandstone break, bears E. and W.; asc. abruptly over series of high sandstone ledges, S. slope. Top of the main rim ledge, bears S.60°E. and S.70°W.
80.00	Top of ascent on spur and top of the rim, 580 ft. above sec. cor., projects S.70°W.; desc. rocky NW. slope, 70 ft. to On abrupt NW. slope. Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in the ground to bedrock, and in a large mound of stone, for cor. of secs. 25-26-35 and 36, with brass cap marked

T41S | R2W.

S26 | S25

S35 | S36

1921

Subdivision of T. 41 S., R. 3 W.

Chains

from which

A pinon, 10 ins. diam., bears N. 81° E., 52 lks.

dist., marked T14S R3W S25' BT

A pinon, 8 ins. diam., bears S. 3 $\frac{1}{4}$ ° E., 40 lks.

dist., marked T41S R3W S36' BT

A pinon, 8 ins. diam., bears S. 32 $\frac{3}{4}$ ° W., 113 lks.

dist., marked T41S R3W S35' BT

A pinon, 6 ins. diam., bears N. 21 $\frac{3}{4}$ ° W., 40 lks.

dist., marked T41S R3W S26' BT

Land, rough mountainous, with N. and S. slopes; drainage to W. Line crosses face of high sandstone break which forms S. face of Vermillion Cliffs.

Soil, rocky in form of ledges and boulders, with shallow loose sandy and clay loams; red sandstone formation.

Timber, medium dense scrub cedar and pinon, on mile.

Undergrowth, scattering growth of yellow-top, sagebrush and buck brush. Fair grazing land on portion of mile.

East, on random line bet. secs. 25 and 36.

40.00

Set temp. $\frac{1}{2}$ sec. cor.

80.10

Intersect E. bdy. of tp., 23 lks. S. of the cor. secs.

25 and 36, which is an iron post, 2 ins. dia., firmly set, marked and witnessed as described by the surveyor general. Thence

S. 89°50' W., on true line bet. secs. 25 and 36.

Over rough mountainous land, through medium dense timber and scattering undergrowth; asc. broken; rocky SE. slope.

13.00

Top of ascent on rim of mesa, 260 ft. above cor., bears NE. and SW.; thence across point of mesa, projecting SW.

21.85

W. rim of mesa, bears NE. and SW.; desc. abruptly NW. slope over series of broken sandstone ledges, 520 ft.

40.05

In gulch bottom.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S25
 $\frac{1}{4}$ S36

1921

from which

A pinon, 8 ins. diam., bears N. 8° E., 78 lks.

dist., marked $\frac{1}{2}$ S25' BT

A pinon, 12 ins. diam., bears S. 71 $\frac{1}{2}$ ° W., 89 lks.

dist., marked $\frac{1}{2}$ S36' BT

Subdivision of T. 41 S., R. 3 W.

Chains	
41.15	Wash, 30 lks. wide, 4 ft. deep. in bottom of gulch, 20 ft. below $\frac{1}{2}$ cor., course S.20°W., from the NE. Asc. abrupt E. slope over ledges, 470 ft. to
58.50	Top of 100 ft. sandstone ledge and E. rim of mesa, bears N.30°E. and S.; gradually asc. 80 ft. to
69.20	Top of ascent on mesa, bears N.40°E. and S.
74.90	W. rim of mesa, bears NE. and SW.; desc. abrupt rocky W. slope, 110 ft. to
80.10	The cor. of secs. 25-26-35 and 36. Land, high, broken mountainous land, with abrupt ledges general E. and W. slopes; drainage S. Soil, rocky in form of sandstone ledges and boulders, with a shallow covering in places of sandy and clay loams; red sandstone formation. Timber, medium dense cedar and pinon. Undergrowth, scattering yellow-top, silver-leaf, brigham tea and sagebrush. Too rough for grazing.

	N. 0°01' W., bet. secs. 25 and 26. Over broken mountainous land, through medium dense timber and scattering undergrowth; desc. abruptly NW. slope over series of broken sandstone ledges, 330 ft. to
25.45	Bottom of small branch draw, course N.80°W.; asc. abruptly S. slope, 165 ft. to
38.40	Spur, projects W. about 10 chs.; desc. N. slope.
40.00	On a NW. slope, 30 ft. below top of spur. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S26 S25 1921
	from which
	A pinon, 16 ins. diam. bears S.38°E., 38 lks. dist., marked $\frac{1}{4}$ S25 BT A pinon, 14 ins. diam. bears S.40 $\frac{1}{2}$ °W., 29 lks. dist., marked $\frac{1}{4}$ S26 BT
	Desc. abrupt rocky N. slope, 175 ft. to

Subdivision of T. 41 S., R. 3 W.

Chains

- 50.10 Gulch, course SW.; asc. abruptly over series of broken sandstone ledges, S. slope, 340 ft. to
- 59.30 N. rim of gulch, bears NE. and SW.; thence gradually asc. over gently rolling top of mesa.
- 80.00 On a slight SE. exposure, 75 ft. above rim of gulch.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 23-24-25 and 26, with brass cap marked

T41S	R3W
S23	S24
S26	S25

1921

from which

- A pinon, 10 ins. diam., bears N. $64\frac{1}{2}$ ° E., 57 lks.
dist., marked T41S R3W S24 BT
A pinon, 10 ins. diam., bears S. 38° E., 117 lks.
dist., marked T41S R3W S25 BT
A pinon, 16 ins. diam., bears S. $84\frac{1}{2}$ ° W., 51 lks.
dist., marked T41S R3W S26 BT
A pinon, 9 ins. diam., bears N. 88° W., 48 lks.
dist., marked T41S R3W S23 BT

Land, broken mountainous and rolling top of mesa; general southern exposure, drainage to SW.

Soil, rocky in form of broken sandstone ledges and boulders with shallow sandy and clay loams, on the rough portion; deeper, loose sandy loam, lying on bedrock and clay subsoils on the mesa tops.

Timber, medium dense cedar and pinon, on mile.

Undergrowth, scattering yellow-top, brigham-tea, sage and service brush.

Fair grazing land.

N. 89°50' E., on random line bet. secs. 24 and 25.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.84 Intersect E. bdy. of tp., 24 lks. S. of the cor. secs. 24 and 25, which is an iron post, 2 ins. dia., firmly set, marked and witnessed as described by the surveyor general; thence
- S. 89°40' W., on true line bet. secs. 24 and 25.
- Over broken and rolling land, through dense timber and

Subdivision of T. 41 S., R. 3 W.

Chains	
4.65	scattering undergrowth; desc. W. slope, 50 ft. to draw, near head, course NW.; asc. broken E. and NE. slopes, 115 ft. to
15.10	Low, rolling ridge, bears N.20°W. and S.20°E.; thence over land facing SW., gradually desc.
39.92	On a gradual W. slope, 105 ft. below ridge. Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground, to bedrock, and in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ <u>S24</u> S25
	1921
	from which
	A pinon, 14 ins. diam., bears N.15 $\frac{1}{2}$ °E., 31 lks. dist., marked $\frac{1}{4}$ S24 BT
	A pinon, 14 ins. diam., bears S.35°W., 52 lks. dist., marked $\frac{1}{4}$ S25 BT
50.20	Small draw, 110 ft. below $\frac{1}{4}$ cor., course SW.
57.00	Low spur, 50 ft. above draw, projects SW.
68.35	Small draw, 55 ft. below spur, course S.10°W.; gently asc. 30 ft. to
79.84	The cor. of secs. 23-24-25 and 26. Land, rolling and broken mesa; general exposure and drainage to NW. on the E. 15 chs. and to S. and SW. on remainder of the mile. Soil, shallow sandy and clay mixed loams, and rocky; red sandstone formation. Timber, dense cedar and pinon, on mile.
	Undergrowth, scattered sage, yellow-top, brigham-tea, service and some live-oak brush.
	Fair grazing land.

	N. 0°01' W., bet. secs. 23 and 24.
	Over rolling and broken land, through dense timber and scattering undergrowth; slight S. exposure to
5.00	Top of raise on mesa, bears NE. and W.; thence over N. exposure; gradually desc.
28.00	Low flat spur, bears N.30°W.; thence desc. NE. slope.

Subdivision of T. 41 S., R. 3 W.

Chains

- 40.00 On gradual NE. slope, 150 ft. below top at 5 chs.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked
 $\frac{1}{4}$

S23	S24
-----	-----

1921
from which
A pinon, 10 ins. diam., bears N. $29\frac{1}{2}^{\circ}$ E., 61 lks.
dist., marked $\frac{1}{4}$ S24 BT
A cedar, 6 ins. diam., bears S. $16\frac{1}{2}^{\circ}$ W., 32 lks.
dist., marked $\frac{1}{4}$ S23 BT
Gradually desc. NE. slope, 110 ft. to :
55.55 Draw, course NW.; asc. SW. slope, 50 ft. to .
59.00 Top of ascent from draw, bears NW. and SE.; thence across
flat spur, projecting NW. about 10 chs. to end.
65.90 Leave top of spur, bears NW. and SE.; desc. 20 ft. to
66.45 Small draw, course NW.; asc. 35 ft. to
71.80 N. rim of draw, bears N. 20° W. and SE.; thence over top
of bench.
80.00 On nearly level ground near W. edge of bench.
Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in
the ground to bedrock, and in a large mound of stone,
for cor. secs. 13-14-23 and 24, with brass cap marked

T41S	R3W
S14	S13
S23	S24

1921
from which
A pinon, 12 ins. diam., bears N. 46° E., 60 lks.
dist., marked T41S R3W S13 BT
A pinon, 10 ins. diam., bears S. $83\frac{1}{2}^{\circ}$ E., 58 lks.
dist., marked T41S R3W S24 BT
A pinon, 6 ins. diam., bears S. 40° W., 102 lks.
dist., marked T41S R3W S23 BT
A pinon, 14 ins. diam., bears N. 33° W., 83 lks.
dist., marked T41S R3W S14 BT
Land, rolling and broken; general N. to NW. exposure and
drainage on N. 75 chs. and to S. on remainder.
Soil, shallow; loose sandy loam, and rocky, lying on
rock subsoil; red sandstone formation.
Timber, dense cedar and pinon.

Subdivision of T. 41 S., R. 3 W.

Chains	
	Undergrowth, scattering sage, yellow-top, brigham-tea and service brush. Good grazing land.
40.00	N. $89^{\circ}40'$ E., on random line bet. secs. 13 and 24. Set temp. $\frac{1}{4}$ sec. cor.
79.82	Intersect E. bdy. of tp., 2 lks. N. of cor. secs. 13 and 24, which is an iron post, 2 ins. dia., firmly set, marked and witnessed as described by the surveyor general; thence S. $89^{\circ}41'$ W., on true line bet. secs. 13 and 24. Over rolling and broken land, through dense timber and scattering undergrowth; gradually asc. along S. slope.
7.30	Low ridge, 25 ft. above cor., bears NE. and SW.; desc. gradual broken NW. and W. slopes, 240 ft. to
39.91	On gentle W. slope. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S13 S24 1921 from which A cedar, 20 ins. diam., bears N. $20\frac{1}{2}$ ° E., 108 lks. dist., marked $\frac{1}{4}$ S13 BT A cedar, 18 ins. diam., bears S. $59\frac{1}{2}$ ° E., 59 lks. dist., marked $\frac{1}{4}$ S24 BT
40.75	Ravine, course NW.; asc. E. and NE. slopes, 140 ft. to
47.70	Top of ascent from ravine on E. edge of flat spur, bears NW. and S. 30° E.; thence across flat top of spur, project N.
52.50	W. edge of same, bears N. 10° W. and S. 10° E.; desc. W. slope, 150 ft. to
60.00	Gulch, course NW.; asc. E. slope, 135 ft. to
70.35	E. edge of bench, bears NW. and SE.; thence over top to
79.82	The cor. of secs. 13-14-23 and 24. Land, rolling and broken; general exposure and drainage to NW. Soil, shallow, loose sandy loam and rocky; red sandstone

Subdivision of T. 41 S., R. 3 W.

Chains

formation.

Timber, dense cedar and pinon.

Undergrowth, scattering sagebrush, yellow-top and service brush. Good grazing land.

N. 0°01' W., bet. secs. 13 and 14.

Over rolling and broken land, through dense timber and scattering undergrowth; along top of bench to

5.10 N. edge of bench, bears N.80°E. and S.70°W. for 2 chs. thence to S.; desc. abrupt rocky N. slope, 170 ft. to

10.35 Gulch, course W.; gradually asc. S. slope, 95 ft. to

23.00 Top of 30 ft. red sandstone rim on N. side of gulch, bears N.80°E. and S.70°W.; thence gradually asc. over rolling land facing W.

40.00 On a W. slope, 65 ft. above the rim. Set an iron post, 3 ft. long, 1 in. dia., 15 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked $\frac{1}{4}$

S14

S13

1921

from which

A cedar, 14 ins. diam., bears S.59 $\frac{1}{2}$ °E., 37 lks. dist., marked $\frac{1}{4}$ S13 BTA pinon, 8 ins. diam., bears S.24 $\frac{1}{2}$ °W., 44 lks. dist., marked $\frac{1}{4}$ S14 BT

48.50 Leave dense, enter very scattered timber, bears NE. and SW.

50.00 Swale, drains SW.; thence gradually asc. along E. slope.

52.00 On an E. slope, 90 ft. above swale.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 11-12-13 and 14, with brass cap marked

T41S | R3W
S11 | S12

S14 | S13

1921

From which.

Subdivision of T. 41 S., R. 5 W.

Chains

	A cedar, 8 ins.diam., bears N. 1° E., 146 lks. dist.,marked T41S R3W S12 BT A cedar, 8 ins.diam., bears S. $14^{\frac{1}{2}}$ ^o E., 98 lks. dist.,marked T41S R3W S13 BT A cedar, 14 ins.diam., bears S. $38\frac{1}{2}^{\circ}$ W., 48 lks. dist.,marked T41S R3W S14 BT A cedar, 6 ins.diam., bears N. 28° W., 56 lks. dist.,marked T41S R3W S11 BT
	Land, rolling and broken; exposure and drainage NW. and SW. to W.
	Soil, loose sandy loam; mixed with some rock on southern portion of the mile.
	Timber, dense to scattering cedar and pinon.
	Undergrowth, medium growth of sagebrush, with scattering yellow-top and brigham-tea. Good grazing land.
	N. $89^{\circ}41'$ E., on random line, bet. secs. 12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.78	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 12 and 13, which is an iron post, 2 ins. dia., firmly set, marked and witnessed as described by the surveyor general; thence
	S. $89^{\circ}44'$ W., on true line bet. secs. 12 and 13.
	Over broken land, through medium dense timber and undergrowth; desc. abruptly W. slope from top of 50 ft. white sandstone ledge, bearing nearly N. and S.
11.30	Draw, 200 ft. below sec. cor., course S. 30° W.; asc. rolling E. slope, 140 ft. to
30.65	Ridge, bears NE. and SW.; desc. gradually over NW. and W. slopes.
39.89	On W. slope, 50 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked
	<u>1 S12</u> <u>4 S13</u> 1921
	from which
	A pinon, 6 ins.diam., bears N. $71\frac{1}{2}^{\circ}$ E., 32 lks. dist.,marked $\frac{1}{2}$ S12 BT A cedar, 14 ins.diam., bears S. $72\frac{1}{2}^{\circ}$ W., 137 lks. dist.,marked $\frac{1}{2}$ S13 BT

Subdivision of T. 41 S., R. 6 W.

Chains	
55.00	Leave dense, enter scattering timber, bears N. and S.
64.10	Wide swale, 160 ft. below $\frac{1}{4}$ cor., drains S. 10° W.; gradually asc. E. slope, 40 ft. to
79.78	The cor. of secs. 11-12-13 and 14. Land, broken and rolling, with general S. to SW. exposure and drainage. Soil, loose, shallow sandy loam; mixed with sandrock on eastern part of mile; red and white sandstone formation. Timber, dense to scattering cedar and pinon. Undergrowth, scattering sagebrush, yellow-top and rabbit brush. Good grazing land.
	N. $0^{\circ}01'$ W., bet. secs. 11 and 12.
	Over rolling land facing SE., through scattering timber and medium growth of undergrowth; gradually ascending over E. and SE. slopes, 100 ft. to
33.50	Top of divide ridge, bears NW. and SE.; desc. N. and NE. slopes.
40.00	On NE. slope, 70 ft. below ridge. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S11 S12 1921
	from which
	A pinon, 10 ins. diam., bears N. $82\frac{1}{2}^{\circ}$ E., 100 lks. dist., marked $\frac{1}{4}$ S12 BT
	A pinon, 4 ins. diam., bears S. 16° W., 40 lks. dist., marked $\frac{1}{4}$ S11 BT
	Desc. steep, rocky N. slope.
61.75	Top of knoll, with 25 ft. rim rock on all sides; desc. abrupt N. slope into canyon.
65.60	Base of slope, .350 ft. below $\frac{1}{4}$ cor., and enter level canyon bottom, bears NW. and SE.; leave nearly all timber and enter dense sagebrush; thence over level land.
80.00	In level canyon bottom. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in

Subdivision of T. 41 S., R. 3 W.

Chains	<p>the ground, for cor. secs. 1-2-11 and 12, with brass cap marked</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T41S</td><td>R3W</td></tr> <tr> <td>S2</td><td>S1</td></tr> <tr> <td>S11</td><td>S12</td></tr> </table> <p style="text-align: center;">1921</p> <p>from which</p> <p>A cedar, 6 ins. diam., bears N. 59°5' E., 599 lks. dist., marked T41S R3W S1 BT A cedar, 60 ins. diam., bears S. 79½° E., 370 lks. dist., marked T41S R3W S12 BT A pinon, 8 ins. diam., bears S. 43°20' W., 483 lks. dist., marked T41S R3W S11 BT A cedar, 13 ins. diam., bears N. 74½° W., 464 lks. dist., marked T41S R3W S2 BT</p> <p>S. 33 chs. is rolling land facing SE., with deep, loose sand and sandy loam, with some scattered sandstone outcrops; next 32 chs. is steep, broken N. slope from divide, with soil of loose sandy loam and sand and outcrops of white sandstone; remainder of mile is level canyon bottom, with deep loose sand and sandy loam. Timber, scattering cedar and pinon, on S. 65.60 chs. Undergrowth, medium dense sage and rabbit brush. Good grazing land.</p> <hr/> <p>N. 89°44' E., on random line bet. secs. 1 and 12.</p>	T41S	R3W	S2	S1	S11	S12
T41S	R3W						
S2	S1						
S11	S12						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
79.70	Intersect E. bdy. of tp., 2 lks. N. of the cor. secs. 1 and 12, which is an iron post, 2 ins: dia., firmly set, marked and witnessed as described by the surveyor general; thence S. 89°44' E., 2 lks. N. of the cor. secs. 1 and 12, which is an iron post, 2 ins: dia., firmly set, marked and witnessed as described by the surveyor general; thence S. 89°45' W.; on true line bet. secs. 1 and 12.						
5.00	Over mountainous land, through scattering timber and undergrowth; asc. 35 ft. to ridge, bears NE. and SW.; desc. steep, broken W. slope.						
32.25	Base of descent and leave timber, 380 ft. below ridge, bears NE. and S.; thence over level canyon bottom through dense sagebrush.						
39.85	In level bottom land.						
	Set an iron post, 3 ft. long/26 ins. in the ground, 1 in. dia.						

Subdivision of T. 41 S., R. 3 W.

Chains	
	for $\frac{1}{4}$ sec. cor., with brass cap marked S1 $\frac{1}{4}$ S12 1921 from which
	A cedar, 8 ins. diam., bears N. $5\frac{1}{4}$ E., 235 lks. dist., marked $\frac{1}{4}$ S1 BT and dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist. No other bearing tree available. Continue across bottom land, which drains NW.
55.20	Leave bottom land, bears N. 30° W. and SE.; asc. steep, broken E. slope, through few scattered trees, 190 ft.
68.00	Top of ascent on rocky spur, projects N. 20° W. about 20 chs. to end.; desc. abrupt W. slope over barren sandrock, 225 ft. to
75.20	Base of slope, enter level canyon bottom, bears N. and S.
79.70	The cor. of secs. 1-2-11 and 12. Land, mountainous and level canyon bottoms.; E. and W. slopes, drainage N. Soil, loose sand with scattered outcrops of sandstone; deep sandy loam in canyon bottom; white sandstone formation. Timber, scattering cedar and pinon, on greater part of the mile. Undergrowth, medium dense sage and rabbit brush. Good grazing land on most of the mile.
	----- N. $0^{\circ}01'$ W., on true line bet. secs. 1 and 2. Over level bottom land, drainage N. to NE., through dense sage and rabbit brush.
40.00	In level bottom land. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S2 $\frac{1}{4}$ S1 - and little post iron. Broadspace 1921

Subdivision of T. 41 S., R. 3 W.

Sec 16S

from which

- A cedar, 6 ins.diam., bears S.31 $\frac{1}{2}$ E., 170 lks.
dist., marked $\frac{1}{4}$ S1'BT
A cedar, 8 ins.diam., bears N.74 $\frac{1}{2}$ W., 83 lks.
dist., marked $\frac{1}{4}$ S2'BT

Cor. stands in S. edge of scattering timber, bearing NE.
and SW.

- 41.50 Leave bottom land, bears N.70 $\frac{1}{2}$ E. for 5 chs. thence to N.
and SW.; thence across low gravelly point.
- 49.50 Top of ascent on low point, 45 ft. above bottom land,
projects E. 6 chs. to end.
- 51.70 Re-enter bottom land; bears N.70 $\frac{1}{2}$ E. and S.70 $\frac{1}{2}$ W.
- 61.20 Leave bottom land, and E. point of 60 ft. red sandstone
point, which bears W.; bottom land bears N.30 $\frac{1}{2}$ E. and SW.
gradually asc. broken, rocky land facing SE., through
scattering timber, 340 ft. to
- PS.10 Intersect the 8th standard parallel south, West, 9.04
chs. dist. of the standard $\frac{1}{4}$ sec. cor. of sec. 36,
heretofore described; at point of intersection
Set in iron post, 3 ft. long, 2 ins. dia., 6 ins. in
the ground to bedrock, and in a large mound of stone,
4 ft. base, for closing cor. of secs. 1 and 2, with
brass cap marked

T40S R3W
S36

$\frac{1}{4}$ S2 S1
T41S R3W

CC

1921

from which

- A pinon, 6 ins.diam., bears S.69 $\frac{1}{2}$ E., 135 lks.
dist., marked T41S R3W S1'CC BT

- A pinon, 8 ins.diam., bears S.21 $\frac{1}{2}$ W., 171 lks.
dist., marked T41S R3W S2'CC BT

Cor. stands on a S. rocky slope.

Land, level bottom land covered with dense sagebrush and
rabbit-brush, with deep, loose sandy loam and sand, on
S1 chs; remainder of mile is rough, broken land, facing
SW., covered with scattering cedar and pinon and some
mesa. bricham-tea and rabbit-brush; soil, loose sand and
outcrops of white and red sandstone.; drainage NE.

Subdivision of T. 41 S., R. 3 W.

Chains	
	Good grazing land.
10.00	From the cor. of secs. 2-3-34 and 35 on S. bdy. of tp., which is an iron post, 2 ins. dia., extending 12 ins. above ground, established and described by me in survey notes of T. 42 S., R. 3 W.; thence N. 0°01' W., bet. secs. 34 and 35.
10.50	Over low rolling land, through short undergrowth; over slight N. slope to
13.50	Wash, 30 lks. wide, 8 ft. deep, in wide swale, 10 ft. below sec. cor., course W.
24.30	Enter scattering timber, bears NW. and E.; also a trail, bears nearly E. and W.
40.00	Top of low flat spur, 5 chs. wide, 50 ft. high, projects SW. about 10 chs. to end.; thence along NW. and W. slopes. True point for $\frac{1}{4}$ sec. cor. falls in bottom of wash, 30 lks. wide, 3 ft. deep, course SW., where cor. cannot be perpetuated, therefore at point where
41.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked
	S34 S35 WC
	1921
	from which
	A cedar, 10 ins. diam., bears S. 82° E., 149 lks. dist., marked WC $\frac{1}{4}$ S35 BT
	A cedar, 8 ins. diam., bears N. 80° W., 137 lks. dist., marked WC $\frac{1}{4}$ S34 BT
42.40	Cor. stands on left side of the wash in mouth of canyon from the NE.
45.80	Same wash, course NE.
46.00	Same wash, course SW.; begin ascent over broken, rocky S. slope, 180 ft. to
63.00	Base of high sandstone rim, bears NE. and SW.; asc. abrupt S. face over series of high sandstone ledges.
70.00	Top of the main rim ledge, 125 ft. high, bears NE. and SW.

Subdivision of T. 41 S., R. 3 W.

Chains	
73.90	Top of high, rocky spur, 630 ft. above $\frac{1}{4}$ cor., projects SW.; desc. abrupt rocky NW. slope, 120 ft. to
80.00	On N. slope. Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in ground, fastened firmly, driven into the ground to bedrock, and in a large mound of stone, 5 ft. base, for the cor. of secs. 26-27-34 and 35, with brass cap marked
	T41S | R3W S27 | S26 S34 | S35 1921
	from which
	A pinon, 8 ins. diam., bears N. $34^{\circ}E.$, 34 lks. dist., marked T41S R3W S26/BT.
	A cedar, 5 ins. diam., bears S. $63^{\circ}E.$, 46 lks. dist., marked T41S R3W S35/BT.
	A pinon, 8 ins. diam., bears S. $15^{\circ}W.$, 49 lks. dist., marked T41S R3W S34/BT.
	A pinon, 5 ins. diam., bears N. $33^{\circ}W.$, 48 lks. dist., marked T41S R3W S27/BT.
	Land, rolling and high, rough mountainous; southern exposure, drainage to SW.
	Soil, rocky and loose sandy loam; red sandstone formation.
	Timber, scattering cedar and pinon, becoming dense near N. end of mile.
	Undergrowth, scattering sage, rabbit-brush, yellow-top and service brush. Grazing land on southern part.
40.00	East, on random line, bet. secs. 26 and 35.
80.18	Set temp. $\frac{1}{4}$ sec. cor. timber, 16 lks.
	Intersect N. and S. line, 16 lks. N. of the cor. secs.
	25-26-35 and 36; thence in line N. of the cor. secs. N. $89^{\circ}53'W.$, on true line, bet. secs. 26 and 35.
	Over rough mountainous land, through medium dense timber and scattering undergrowth; along an abrupt rocky N. slope to
5.80	Begin abrupt descent over series of high sandstone ledges, bearing NE. and SW.
19.50	Base of the ledges, 385 ft. below top, bears NE. and SW. continue more gradual descent N. and NW. slopes.

Subdivision of T. 41 S., R. 3 W.

Chains

- 40.09 On a gradual NW. slope, 500 ft. below sec. cor.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
 $\frac{1}{4}$ S26
S35
- 1921
- A pinon, 8 ins. diam., bears S.21°E., 87 lks.
dist., marked $\frac{1}{4}$ S35 BT
- A pinon, 8 ins. diam., bears N.10°W., 7 lks.
dist., marked $\frac{1}{4}$ S26 BT
- 47.70 Wash, 30 lks. wide, 3 ft. deep, 90 ft. below $\frac{1}{4}$ cor., in
bottom of canyon, course SW.
- 50.00 Begin ascent over rough SW. slope.
- 63.00 Base of ledges, bears NE. and SW.; asc. more abruptly
over series of high sandstone ledges on SE. slope.
- 72.90 Top of ledges and spur, 575 ft. above canyon, projects
SW.; desc. abrupt NW. slope, 145 ft. to
- 80.18 The cor. of secs. 26-27-34 and 35.
Land, rough mountainous, with abrupt, ledgy general E.
and W. slopes; drainage SW.
Soil, rocky with some shallow sandy and clay loams; red
sandstone formation.
Timber, medium dense cedar and pinon.
Undergrowth, scattered sage, service and yellow-top.
Fair grazing on portions of the mile.
- N. 0°01' W., bet. secs. 26 and 27.
Over broken mountainous land, through dense timber and
scattered undergrowth; desc. NW. slope, 60 ft. to
- 8.75 Near head of ravine, course SW.; asc. ledgy S. slope,
120 ft. to
- 20.25 N. rim of the ravine, bears NE. and SW.; thence over
rolling top of mesa, gentle S. and SW. exposures.
- 40.00 On slight W. exposure, 2 chs. E. of small rim, bearing
NE. and SW.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in

Subdivision of T. 41 S., R. 3 W.

Chains	the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S27. S26 1921 from which A pinon, 16 ins. diam., bears N. 5° E., 18 lks. dist., marked $\frac{1}{4}$ S26 BT A pinon, 6 ins. diam., bears N. 34° W., 56 lks. dist., marked $\frac{1}{4}$ S27 BT
44.00	Thence along E. edge of shallow ravine, drains S. 30° W.
50.00	Cross head of ravine, 20 ft. deep, course S. 10° W.
58.20	Top of raise on mesa, bears NE. and SW.
62.00	Begin gradual descent over rough N. and NW. slopes.
80.00	At base of descent in cove, 115 ft. below top, drains SW. Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for cor. secs. 22-23-26 and 27, with brass cap marked T41S | R3W S22 | S23 S27 | S26 1921 from which
90.00	A cedar, 10 ins. diam., bears N. 32 $\frac{1}{2}$ ° E., 69 lks. dist., marked T41S R3W S23 BT A cedar, 14 ins. diam., bears S. 62 $\frac{1}{2}$ ° E., 42 lks. dist., marked T41S R3W S26 BT A pinon, 8 ins. diam., bears S. 42° W., 22 lks. dist., marked T41S R3W S27 BT A cedar, 16 ins. diam., bears N. 46 $\frac{1}{2}$ ° W., 60 lks. dist., marked T41S R3W S22 BT Land, broken mountainous and rolling mesa; SW. and NW. exposure and drainage. Soil, shallow, loose sandy loam and rocky, lying on bedrock; red sandstone formation. Timber, dense cedar and pinon, on mile. Undergrowth, scattered sage, brigham-tea, yellow-top and buck brush. Fair grazing land. ----- S. 89°53' E., on random line bet. secs. 23 and 26. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.14 Intersect N. and S. line, 16 lks. N. of cor. secs. 23- 24-25-and 26; thence

Subdivision of T. 64¹ S., R. 7³ W.

	Chains	
		N. 89°46' W., on true line, bet. secs. 23 and 26.
		Over rolling top of bench, through dense timber and short scattered undergrowth.
40.07		On a slight N. slope, on saddle of ridge, bears N. 80° E. and S. 80° W. about one mile SW. of section line, sec. 26.
		Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
		$\frac{1}{4}$ S23 S26
		1921
		from which
		A cedar, 8 ins. diam., bears N. 87° E., 36 lks. dist., marked $\frac{1}{4}$ S23 BT
		A cedar, 10 ins. diam., bears S. 14 $\frac{1}{2}$ ° W., 58 lks. dist., marked $\frac{1}{4}$ S26 BT
45.50		Base of gradual descent on N. slope, 75 ft. below sec. cor., thence gradually asc. NE. slope, 90 ft. to
56.60		Ridge, bears N. 30° W. and S. 30° E.; gradually desc. W. slope.
69.50		Rim of higher ground, bears N. 20° W. and SE. for 3 chs. thence to SW.; desc. steeper, broken W. slope, 145 ft. to
80.14		The cor. of secs. 22-23-26 and 27, 240 ft. below ridge. Land, rolling and broken; southern exposure and drainage on E. $\frac{1}{2}$ mile and to N. and NW. on remainder. Soil, loose sandy and sand, with scattered outcrops of sandrock; red sandstone formation. Timber, dense cedar and pinon, on mile.
		Undergrowth, scattered yellow-top, brigham-tea, service and live-oak brush. Fairly grazing land.

		N. 0°01' W., bet. secs. 22 and 23.
		Over broken land, through dense timber and scattering undergrowth; gradually asc. broken SW. slope, 80 ft. to
14.40		Low rim ledge, 25 ft. high, bears N. 60° E. and S. 80° W.; thence gentle ascent over rolling top bench, 15 ft. to
25.35		Low ridge, bears N. 60° E. and S. 60° W.; gradually desc. rolling N. and NW. slopes.
36.50		Cross head of small draw, 85 ft. below ridge, drains NW.

Subdivision of T. 41 S., R. 3 W.

Cinals

Asc. S. slope, 30 ft. to
 40.00 On S. slope, near top.
 Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the
 ground to bedrock; and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked
 dist., marked $\frac{1}{2}$ S22 BT
 S22 S23
 1921

from which

A pinon, 6 ins. diam., bears N. 56° W., 73 lks.
 dist., marked $\frac{1}{2}$ S22 BT

A pinon, 8 ins. diam., bears S. $86\frac{1}{4}^{\circ}$ E., 64 lks.
 dist., marked $\frac{1}{2}$ S23 BT

41.20 Top of ascent on S. rim of canyon, bears N. 60° E. and
 S. 60° W.; desc. abrupt N. slope, 395 ft. to

49.00 Bottom of deep, narrow canyon, course S. 80° W.; asc. steep
 S. slope, 165 ft. to

57.90 Top of spur, projects SW.; desc. abrupt, rocky N. slope.

64.60 Bottom of canyon, 240 ft. below spur., course SW.; thence
 gradually asc. over broken S. and SE. slopes.

66.75 Trail, bears E. and SW., follows canyon.

80.00 On gentle SE. slope, 180 ft. above canyon.

Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in
 the ground to bedrock, and in a large mound of stone,
 for cor. secs. 14-15-22 and 23, with brass cap marked

T41S	R3W
------	-----

S15	S14
-----	-----

S22	S23
-----	-----

1921

from which

A cedar, 16 ins. diam., bears N. 37° E., 12 lks.

dist., marked T41S R3W S14' BT

A pinon, 8 ins. diam., bears S. $33\frac{1}{2}^{\circ}$ E., 101 lks.

dist., marked T14S R3W S23' BT

A pinon, 18 ins. diam., bears S. 15° W., 69 lks.

dist., marked T41S R3W S22' BT

A cedar, 6 ins. diam., bears N. 60° W., 11 lks.

dist., marked T41S R3W S15' BT

Land, broken and mountainous, with general W. to SW. exposure and drainage.

Soil, rocky with shallow sandy loam; red sandstone.

Subdivision of T. 41 S., R. 3 W.

Chains	
	Timber, dense cedar and pinon.
	Undergrowth, scattering sage, yellow-top, service and oak brush. Fair grazing land.
	S. $89^{\circ}46'$ E., on random line bet. secs. 14 and 23.
39.00	Set temp. witness $\frac{1}{4}$ sec. cor.
80.16	Intersect N. and S. line, 14 lks. S. of the cor. secs. 13-14-23 and 24; thence
	N. $89^{\circ}52'$ W., on true line bet. secs. 14 and 23.
	Over broken and rolling land, through medium dense timber and undergrowth.
0.40	Desc., from top of bench over W. slope, 135 ft. to
7.00	Bottom of gulch, course N. 10° W.; asc. gradual NE. slope.
19.75	Spur, 100 ft. above gulch, projects N.; desc. gradual NW. slope, 200 ft. to canyon.
35.75	Trail, bears NE. and SW.
40.08	True point for $\frac{1}{4}$ sec. cor. falls in bottom of wash, 30 lks. wide, 5 ft. deep, in canyon, course S. 70° W., where cor. cannot be perpetuated, therefore at
41.16	Or 1.08 chs. N. $89^{\circ}52'$ W. of true point.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S14 WC S23 1921
	from which
	A pinon, 8 ins. diam., bears N. 50° W., 73 lks. dist., marked WC $\frac{1}{4}$ S14 BT
	A cedar, 6 ins. diam., bears S. $60\frac{2}{3}^{\circ}$ W., 90 lks. dist., marked WC $\frac{1}{4}$ S23 BT
	Thence gradually asc. over low broken land facing SE. and S., 45 ft. to
65.30	Top of ascent on S. slope, bears N. and S.; gradually desc. SW. slope.
71.55	Trail, bears NE. and SW.
75.50	Ravine, 95 ft. below top of ascent, course S.; asc. E. slope, 95 ft. to

Subdivision of T. 41 S., R. 3 W.

Chains	
80.16	The cor. of secs. 14-15-22 and 23. Land, broken and rolling; general NW. exposure and drainage on E. $\frac{1}{2}$ mile and to S. on remainder, into canyon, which drains SW. Soil, rocky and shallow, loose sandy loam; sandstone formation. Timber, medium dense cedar and pinon. Undergrowth, scattered sage, yellow-top and brigham-tea brush. Fair grazing land.
19.00	N. $0^{\circ}01'$ W., bet. secs. 14 and 15. Over broken and rolling land, through medium dense timber and undergrowth; gradually asc. along broken E. slope. Leave broken and rocky land, bears E. and S. 30° W.; thence over gently rolling land facing SE., through less dense timber.
40.00	On gradual SE. slope, 150 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S15 S14 from which it off of A cedar, 8 ins. diam., bears N. $45\frac{1}{2}^{\circ}$ E., 158 lks. dist., marked $\frac{1}{4}$ S14 BT A cedar, 14 ins. diam., bears S. $43\frac{1}{2}^{\circ}$ W., 36 lks. dist., marked $\frac{1}{4}$ S15 BT
69.00	Ridge, 110 ft. above $\frac{1}{4}$ cor., bears N. 10° E. and S. 20° W.; thence along W. slope, desc. 45 ft. to
80.00	On a NW. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins in the ground, for cor. secs. 10-11-14 and 15, with brass cap marked
	T41S | R3W S10 | S11 ---+--- S15 | S14 from which

Subdivision of T. 41 S., R. 5 W.

Chains	
	A pinon, 6 ins. diam., bears N. $23\frac{1}{4}$ ° E., 47 lks. dist., marked T41S R3W S11 BT
	A pinon, 5 ins. diam., bears S. $66\frac{1}{2}$ ° E., 38 lks. dist., marked T41S R3W S14 BT
	A cedar, 8 ins. diam., bears S. $60\frac{1}{2}$ ° W., 13 lks. dist., marked T41S R3W S15 BT
	A cedar, 10 ins. diam., bears N. $66\frac{1}{2}$ ° W., 41 lks. dist., marked T41S R3W S10 BT
	Land, rolling and broken; exposure and drainage to SE. on the S. 69 chs. and to W. on remainder.
	Soil, sandy loam, on sandrock subsoil; some rocky on S. end of mile.
	Timber, medium dense to scattering cedar and pinon.
	Undergrowth, considerable sagebrush, with scattered yellow-top, brigham-tea and service brush.
	Good grazing land.
	S. $89^{\circ}52'$ E., on random line bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{3}$ sec. cor.
80.10	Intersect N. and S. line, 5 lks. N. of the cor. secs. 11-12-13 and 14; thence
	N. $89^{\circ}50'$ W., on true line bet. secs. 11 and 14.
	Over high rolling land, through scattering timber and medium growth of underbrush; asc. E. slope, 160 ft. to
14.00	Spur, projects SE.; desc. gradual SW. and W. slopes.
26.05	Draw, 160 ft. below spur, course S.; asc. E. slope.
33.25	Stake & rider fence, bears N. 30° E. and S. 30° W.
40.05	On E. slope, 130 ft. above draw.
.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<u>S11</u> <u>S14</u>
	1921
	from which
	A. pinon, 8 ins. diam., bears N. 50° W., 92 lks. dist., marked $\frac{1}{4}$ S11 BT
	A cedar, 16 ins. diam., bears S. 77° E., 38 lks. dist., marked $\frac{1}{2}$ S14 BT
42.25	Top of spur, 10 ft. above cor., projects S. 30° W.; desc. rolling W. slope, 190 ft. to
64.00	Swale, course S. 10° E.; asc. gradual E. slope, 60 ft. to
78.00	Ridge, bears N. 10° E. and S. 10° W.; desc. 25 ft. to

Subdivision of T. 41 S., R. 3 W.

Chains	
80.10	The cor. of secs. 10-11-14 and 15. Land, high rolling with general exposure and drainage S. Soil, deep, loose sand and sandy loam, with few scattered outcrops of sandrock; sandstone formation. Timber, scattering cedar and pinon. Undergrowth, considerable sagebrush, yellow-top and rabbit-brush. Good grazing land.
80.50	N. 0°01' W., bet. secs. 10 and 11. Over rolling land, through medium dense timber and under- growth; gradually desc. NW. and W. slopes, 60 ft. to ravine, course S. 60°W.; gradually asc. S. slope, 130 ft.
13.55	Ravine, course S. 60°W.; gradually asc. S. slope, 130 ft.
36.00	Ridge, bears N. 60°E. and S. 60°W.; gradually desc.
40.00	On a gradual NW. slope, 10 ft. below ridge. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
46.50	Leave timber, and enter heavier undergrowth, bears NE. and NW.
69.15	Swale, 180 ft. below $\frac{1}{4}$ cor., course NW.; gradually asc. S. slope.
77.00	Enter scattering timber, bears W. and SE.; asc. more abruptly over sandrock outcroppings.
80.00	On S. slope, 70 ft. above swale. Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, with 5 ft. base, for the cor. of secs. 2-3-10 and 11, with brass cap marked.
80.10	T41S | R3W S3. | S2. S10 | S11

Subdivision of T. 41 S., R. 3 W.

Chains	from which
	A pinon, 4 ins. diam., bears N. $4\frac{1}{2}$ $^{\circ}$ E., 72 lks. dist., marked only BT
	A pinon, 12 ins. diam., bears S. $24\frac{3}{4}$ $^{\circ}$ E., 188 lks. dist., marked T41S R3W S11 BT
	A pinon, 8 ins. diam., bears S. $56\frac{1}{2}$ $^{\circ}$ W., 66 lks. dist., marked T41S R3W S10 BT
	A pinon, 10 ins. diam., bears N. $63\frac{1}{2}$ $^{\circ}$ W., 76 lks. dist., marked T41S R3W S3 BT
	Land, rolling, with general SW. and NW. exposures: drainage NW. in draw, with scattered sagebrush, etc.
	Soil, loose sandy loam, with scattered outcrops of sand- rock; white sandstone formation.
	Timber, medium dense to scattering cedar and pinon, on $49\frac{1}{2}$ chs. (irregular line bet. sec. 11 and 12)
	Undergrowth, medium dense sagebrush and yellow-top.
	Good grazing land.
	S. $89^{\circ}50'$ E., on random line bet. secs. 12 and 11.
40.00	Set temp. $\frac{1}{2}$ sec. cor. N. (approx.) from sec. 11
80.04	Intersect N. and S. line, 9 lks. S. of cor. secs. 1-2- 11 and 12; thence SW. about 100 ft.
	N. $89^{\circ}54'$ W., on true line bet. secs. 12 and 11.
4.70	Across level canyon bottom, through dense sagebrush to W. edge of bottom land, enter rough broken and rocky land, with medium dense timber, bears N. 30° W. and S. 30° E. asc. abrupt E. slope, 155 ft. to top of spur, desc. SW. slope.
11.50	Spur, projects N. about 8 chs. to end.; desc. W. slope.
17.80	Draw, 90 ft. below spur, course N. about 5 chs. to canyon bottom; asc. E. slope, 260 ft. to top of ridge.
36.55	Divide ridge, bears N. and S.; gently desc. rolling W. slope.
40.02	On gentle SW. slope, 5 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked (approx.) N. $89^{\circ}54'$ W. S2 S11 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26 S27 S28 S29 S30 S31 S32 S33 S34 S35 S36 S37 S38 S39 S39 S40 S41 S42 S43 S44 S45 S46 S47 S48 S48 S49 S49 S50 S50 S51 S51 S52 S52 S53 S53 S54 S54 S55 S55 S56 S56 S57 S57 S58 S58 S59 S59 S60 S60 S61 S61 S62 S62 S63 S63 S64 S64 S65 S65 S66 S66 S67 S67 S68 S68 S69 S69 S70 S70 S71 S71 S72 S72 S73 S73 S74 S74 S75 S75 S76 S76 S77 S77 S78 S78 S79 S79 S80 S80 S81 S81 S82 S82 S83 S83 S84 S84 S85 S85 S86 S86 S87 S87 S88 S88 S89 S89 S90 S90 S91 S91 S92 S92 S93 S93 S94 S94 S95 S95 S96 S96 S97 S97 S98 S98 S99 S99 S100 S100 S101 S101 S102 S102 S103 S103 S104 S104 S105 S105 S106 S106 S107 S107 S108 S108 S109 S109 S110 S110 S111 S111 S112 S112 S113 S113 S114 S114 S115 S115 S116 S116 S117 S117 S118 S118 S119 S119 S120 S120 S121 S121 S122 S122 S123 S123 S124 S124 S125 S125 S126 S126 S127 S127 S128 S128 S129 S129 S130 S130 S131 S131 S132 S132 S133 S133 S134 S134 S135 S135 S136 S136 S137 S137 S138 S138 S139 S139 S140 S140 S141 S141 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Subdivision of T. 41 S., R. 5 W.

Chains	
	dist., marked $\frac{1}{4}$ S11 BT A cedar, 12 ins. diam., bears N. 64° E., 180 lks. dist., marked $\frac{1}{4}$ S2 BT
	Cor. stands on W. edge of timber, bearing N. and S.
46.75	Swale, 20 ft. below $\frac{1}{4}$ cor., drains SW.; gently asc. SE. slope, 50 ft. to
62.00	Top of ascent on a S. slope, bears S. .; gradually desc. SW. slope, through scattering timber, 80 ft. to
80.04	The cor. of secs. 2-3-10 and 11. Land, rolling and broken; exposure and drainage N. to NE on E. 36 $\frac{1}{2}$ chs.; and to W. and SW. on remainder of mile. Soil, loose sandy loam, with scattered outcrops of white sandrock. Timber, medium dense to scattering on greater part of the mile, cedar and pinon. Undergrowth, medium dense sagebrush, with some yellow-top and rabbit-brush. Good grazing land.
	N. 0°01' W., on true line bet. secs. 2 and 3. Over rolling land with W. to SW. exposure, through scattering timber and medium dense short undergrowth.
1.40	Low spur, projects W.; thence gradually desc. 100 ft. to
22.60	Swale, drains SW.; asc. gradual SW. slope, 50 ft. to
37.20	Top of low rolling spur, slopes off to W.
40.00	On gentle NW. slope. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S3 S2 1921
	from which A cedar, 8 ins. diam., bears N. 85° E., 89 lks. dist., marked only BT (scrubby) A cedar, 4 ins. diam., bears S. 32 $\frac{1}{2}$ ° W., 102 lks. dist., marked only BT
47.00	Shallow swale, 20 ft. below $\frac{1}{4}$ cor., drains SW.; asc.
55.40	Low spur, 65 ft. above swale, projects SW.; thence along a gently W. slope.

Subdivision of T. 41 S., R. 3 W.

Chains

- 60.00 Line passes bet. two white, conical sandstone outcrops, about 25 ft. high, W. 1 ch. and E. 1 $\frac{1}{2}$ chs. dist.
- 63.50 Leave all timber, bears NE. and SW.
- 67.20 Cross head of flat swale, drains SW.
- 85.00 Intersect the 8th standard parallel south, West, 5.07 chs. dist. of the standard $\frac{1}{4}$ cor. of sec. 35, which is a brown sandstone, 24x12x6 ins., set in a mound of stone, properly marked and witnessed as described by the surveyor general; at point of intersection, I
- Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in the ground to bedrock, and in a mound of stone, for closing cor. of secs. 2 and 3, with brass cap marked

T40S R3W

S35

S3 | S2

T41S R3W

CC

1921

from which

A cedar, 8 ins. diam., bears S. 81 $\frac{1}{2}$ °E., 201 lks. dist., marked T41S R3W S2 CC BT

No trees within limits in sec. 3.

Cor. stands on gentle S. slope in S. edge of timber at base of low sandstone rim, bearing NW. and SE.

Land, low rolling with general W. and SW. exposure; drainage SW.

Soil, shallow, loose sandy loam and sand, with scattered sandstone outcrops, on sandstone bedrock; white sandstone formation.

Timber, scattering cedar and pinon, on greater part of

the rim, sparse on lower slopes, none in the valley.

Undergrowth, medium dense sagebrush and yellow-top, 1 to 3 ft. high. Good grazing land.

From the cor. of secs. 3-4-33 and 34 on S. bdy. of tp.; an iron post, 2 ins. dia., extending 12 ins. above ground, established and described by me in survey notes of T. 42 S., R. 3 W. Cor. stands at bend of wire fence, bearing N. 16°E. and South. From the cor. the SW. cor.

Subdivision of T. 41 S., R. 3 W.

Chains

	of Elmer Brown's cabin bears N. $10^{\circ}39'$ E. Thence, N. $0^{\circ}02'$ W., bet. secs. 33 and 34. Over level canyon bottom, through dense sagebrush.
23.70	Bottom of Buckskin Wash, 180 lks. wide, 14 ft. deep, dry, with vertical banks, course S. 15° E.
32.50	Wire fence, bears N. 50° E. for 3 chs., thence about E. to cabin.
34.70	Bend of left bank of Buckskin Wash, bears N. 20° W. and S.W.
38.50	Point from which the SW. cor. of Elmer Brown's cabin bears S. $87^{\circ}38'$ E.
40.00	In level canyon bottom. Set an iron post, 3 ft. long, 1 in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S33 | S34 1921 from which A pinon, 10 ins. diam., bears N. 63° E., 494 lks. dist., marked $\frac{1}{4}$ S34 BT and dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. No other bearing tree available.
43.60	Cross left bank of same wash, from NW. to SW.
52.20	Road, bears N. 10° W. and S. 10° E.
79.00	Enter scattering cedar and pinon timber, bears NW. and S. 20° E.
80.00	On level land, near E. edge of canyon bottom. Set an iron post, 2 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 27-28-33 and 34, with brass cap marked T41S | R3W S28 | S27 ---+--- S33 | S34 1921 from which A pinon, 10 ins. diam., bears N. $13\frac{1}{2}$ E., 149 lks. dist., marked T41S R3W S27 BT A pinon, 8 ins. diam., bears S. $6\frac{1}{2}$ E., 149 lks.

Subdivision of T. 41 S., R. 3 W.

Chains	
	dist., marked T41S R3W S34 BT
	A cedar, 14 ins. diam., bears S.1°W., 74 lks. dist., marked T41S R3W S33 BT
	A cedar, 10 ins. diam., bears N.18½°W., 40 lks. dist., marked T41S R3W S28 BT
	Land, level, lying along the Buckskin Wash, which drains nearly S.
	Soil, deep, fine, dry, reddish sandy loam.
	Undergrowth, dense black sagebrush, 2 to 3 ft. high.
	Timber, scattered cedar and pinon, on N. end of mile.
	Good grazing land.

	East, on random line bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 3 lks. N. of cor. secs. 26-27-34 and 35; thence
	N. 89°59' W., on true line bet. secs. 27 and 34.
	Over broken mountainous land, through medium dense timber and scattering undergrowth; desc. steep, rocky W. slope.
8.80	Gulch, 160 ft. below sec. cor., course SW.; asc. E. slope.
12.00	W. rim of gulch on E. edge of mesa, 135 ft. above gulch, bears NE. and SW.; thence over point of mesa, projecting SW.
26.80	W. edge of mesa and E. rim of canyon, bears N.30°E. and SW.: desc. abrupt W. slope over series of sandstone ledges, 360 ft. to
35.95	Bottom of canyon, course SW.; asc. broken SE. slope.
40.05	On rocky SE. slope, 30 ft. above canyon.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, with 6 ft. base, for the $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S27 S34
	1921
	from which:
	A pinon, 8 ins. diam., bears N.72½°E., 148 lks. dist., marked $\frac{1}{4}$ S27 BT
	A cedar, 14 ins. diam., bears S.71°W., 125 lks. dist., marked $\frac{1}{4}$ S34 BT

Subdivision of T. 41 S., R. 3 W.

Chains	
	Asc. abrupt SE. slope over broken sandstone ledges.
49.85	W. rim of canyon and E. edge of mesa, 380 ft. above $\frac{1}{4}$ cor., bears N.30°E. and SW.; gently asc. over mesa.
55.20	Top of ascent on mesa, 20 ft. above rim, bears NE. and SW.
63.75	W. rim of mesa, 55 ft. below top, bears N. and S.; desc. abrupt W. slope over series of sandstone ledges, 550 ft.
78.50	Base of slope and enter level bottom land, bears NW. and S.
80.10	The cor. of secs. 27-28-33 and 34. Land, rough, broken mountainous, with abrupt E. and W. ledgy slopes; drainage SW. Soil, rocky in form of ledges and boulders, with shallow sandy and clay loams; red sandstone formation. Timber, medium dense cedar and pinon, on mile. Undergrowth, scattering sagebrush, yellow-top and brigham-tea brush. Fair grazing land on portions of the mile.
	N. 0°02' W., bet. secs. 27 and 28.
	Over broken land, through medium dense timber and scattered undergrowth; asc. broken SW. slope, 115 ft. to
14.80	Top of ascent on W. slope, slopes off to W.; desc. 95 ft.
29.30	Base of slope, leave timber, enter level canyon bottom and dense sagebrush, bears NE. and SW.
34.80	Old road, bears N.30°E. and S.30°W.
40.00	On level land. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked $\frac{1}{4}$
	S28 S27
	1921
	dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
	Note: A spring bears N.79 $\frac{1}{2}$ °E. about 15 chs. dist.
53.78	Buckskin Wash, 1 ch. wide, 20 ft. deep, dry, vertical banks, course S.30°W.

Subdivision of T. 41 S., R. 3 W.

Chains	
80.00	On level land. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 21-22-27 and 28, with brass cap marked
	T41S | R3W S21 | S22 ---+--- S28 | S27
	1921
	dig pits, 18x18x12 ins., in each sec., 3 ft. dist. of post.
	S. 29 chs. is broken land with general W. exposure, lying under high sandstone rim of canyon to E. of line, covered with medium dense cedar and pinon; soil rocky: remainder of mile is level canyon bottom, lying along the Buckskin Wash, covered with dense black sagebrush, 2 to 4 ft. high; soil: deep, fine, reddish sandy loam, lying on clay subsoil; drainage S.
	Good grazing land.
	S. $89^{\circ}59'$ E., on random line bet. secs. 22 and 27.
40.70	Set temp. witness $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 14 lks. N. of the cor. secs. 22-23-26 and 27; thence N. $89^{\circ}53'$ W., on true line bet. secs. 22 and 27.
	Over low broken land, through dense timber and scattering undergrowth.
2.70	Small drain, course SW.; gradually asc. along broken S. slope, 25 ft. to
10.00	Top of ascent on S. slope, bears NE. to low rim; gradually desc. SW. slope, 100 ft. to
21.65	Ravine, course NW.
24.00	Recross same ravine, course SW.
25.85	Same ravine, course NW.; asc. 15 ft. to
28.25	Top of E. rim of gulch, bears N. and SW.; desc. abrupt NW. slope.
36.10	Head of small seep spring, good water, in small gulch, which drains about W.; bears N. of line, 5 lks. dist.

Subdivision of T. 41 S., R. 3 W.

Chains	
39.38	As the true point for $\frac{1}{4}$ cor. will fall in wash where it cannot be perpetuated, therefore at this point, which is S. $89^{\circ}53'E.$, 66 lks. dist. of true point, Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked WC $\frac{1}{4}$ S22 S27 1921 from which A pinon, 12 ins. diam., bears N. $46^{\circ}2'E.$, 275 lks. dist., marked WC $\frac{1}{4}$ S22 BT A pinon, 6 ins. diam., bears S. $46^{\circ}E.$, 95 lks. dist., marked WC $\frac{1}{4}$ S27 BT
40.04	Cor. stands in S. edge of bottom of ravine, 240 ft. below the rim. True point for $\frac{1}{4}$ sec. cor. falls in Wash, 20 lks. wide, 2 ft. deep, small seep in same, in bottom of gulch, course SW.; asc. broken SE. and S. slopes, 95 ft. to
53.70	Top of ascent on S. slope, bears N. to high rim.; desc. broken SW. and W. slopes, 220 ft. to
59.40	Base of slope and W. edge of timber, enter level canyon bottom and dense sagebrush, bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$
63.80	Large post corral, about 2 chs. square, bears S. of line about $4\frac{1}{2}$ chs. dist.
66.30	Old road, bears N. and S.
77.10	Buckskin Wash, 60 lks. wide, 30 ft. deep, course S.
80.08	The cor. of secs. 21-22-27 and 28. Note: A spring bears S. $27^{\circ}E.$, about $\frac{1}{2}$ mile dist. E. 59.40 chs. is broken mountainous land, general SW. exposure and drainage; covered with medium dense cedar and pinon timber, and scattered undergrowth of sagebrush and yellow-top; soil, rocky of red sandstone formation, with shallow, loose sandy and clay loams: remainder of mile is level canyon bottom, covered with dense sagebrush; soil, deep, fine, loose sandy loam. Good grazing land.

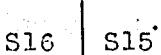
Subdivision of T. 41 S., R. 3 W.

Chains	N. 0°02' W., bet. secs. 21 and 22. Over level canyon bottom, through dense sagebrush.						
6.30	Buckskin Wash, 60 lks. wide, 35 ft. deep, course S.30°E.						
19.00	Same at bend, from N.30°W. to course S.20°W.						
30.00	Wash, 40 lks. wide, 12 ft. deep, from canyon to E., course SW. for 5 chs. to junction with Buckskin Wash.						
40.00	On level land. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>S21</td> <td>S22</td> </tr> </table> 1921. dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.	S21	S22				
S21	S22						
57.00	Cross bend of Buckskin Wash, from N.30°W. to course SW.						
65.80	Old road, bears NW. and SE.						
73.00	Leave canyon bottom, and base of mountainous land and medium dense timber, bears E. for 2 chs. to entrance of gulch, from N.70°E., thence S., and N.30°W.; asc. abrupt, ledgy SW. slope, 240 ft. to						
80.00	On abrupt, ledgy W. slope. Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in the ground to bedrock, and in a large mound of stone, for cor. secs. 15-16-21 and 22, with brass cap marked <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T41S</td> <td>R3W</td> </tr> <tr> <td>S16</td> <td>S15</td> </tr> <tr> <td>S21</td> <td>S22</td> </tr> </table> 1921. from which A cedar, 12 ins. diam., bears N.7°E., 124 lks. dist., marked T41S R3W S15 BT A pinon, 8 ins. diam., bears S.68°E., 8 lks. dist., marked T41S R3W S22 BT A pinon, 6 ins. diam., bears S.11°W., 63 lks. dist., marked T41S R3W S21 BT A pinon, 12 ins. diam., bears N.26°W., 105 lks. dist., marked T41S R3W S16 BT S. 73 chs. is level land, lying along the Buckskin Wash, covered with dense sagebrush; soil, deep, fine red sandy- loam; remainder of mile is abrupt, ledgy W. face of canyon slope, medium dense cedar and pinon; rocky soil,	T41S	R3W	S16	S15	S21	S22
T41S	R3W						
S16	S15						
S21	S22						

Subdivision of T. 41 S., R. 3 W.

Chains	
	red sandstone formation; drainage S.: Good grazing land.
	S. $89^{\circ}53'$ E., on random line bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 9 lks. N. of cor.: secs. 14-15- 22 and 23; thence, N. $89^{\circ}49'$ W., on true line bet. secs. 15 and 22. Over broken mountainous land, through dense timber and scattering undergrowth; asc. steep, rocky E. slope.
5.50	Top of 25 ft. rim ledge on E. edge of mesa, 90 ft. above sec. cor., bears N. 20° E., and S. 20° W. for 4 chs. to end.
9.90	W. rim of mesa, bears N. 10° W. and S. 20° E.; desc. steep, rocky W. slope, 150 ft. to
20.50	Gulch, course SW.; asc. abrupt E. slope, over series of sandstone ledges, 460 ft. to
35.50	E. edge of mesa, bears N. 20° E. and S. 20° W.; thence over rolling top.
40.05	On top of mesa. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S15 S22 1921
	from which
	A pinon, 14 ins. diam., bears N. 44° E., 40 lks. dist., marked $\frac{1}{4}$ S15 BT
	A pinon, 7 ins. diam., bears S. 68° E., 31 lks. dist., marked $\frac{1}{2}$ S22 BT
59.00	Gradually desc. along top of mesa, 145 ft. to E. rim of gulch, bears NE. and S. 60° W.; desc. more abrupt W. and NW. slopes, 240 ft. to
66.75	Bottom of narrow gulch, course S. 60° W.; asc. broken, ledgy SE. and S. slopes, 200 ft. to
75.50	Top of ascent on S. slope, bears N.; desc. abrupt, ledgy W. slope, 170 ft. to
80.10	The cor. of secs. 15-16-21 and 22.

Subdivision of T. 41 S., R. 3 W.

Chains	<p>Land, broken mountainous and rolling mesa; general exposure and drainage S. and SW.</p> <p>Soil, shallow, loose sandy loam and rocky; red sandstone formation.</p> <p>Timber, medium dense cedar and pinon, on mesa.</p> <p>Undergrowth, scattering sagebrush and yellow-top.</p> <p>Fair grazing land.</p> <hr/> <p>N. $0^{\circ}02'$ W., bet. secs. 15 and 16.</p> <p>Over broken mountainous land, through medium dense timber and scattering short undergrowth; asc. along an abrupt, ledgy W. slope, on E. side of canyon, 165 ft. to</p>
7.50	<p>Top of ascent on E. rim of canyon and rim of mesa, bears N. 30° W. and S. 30° E.; thence over point of the mesa, gradually asc. 60 ft. to</p>
17.25	<p>Top of raise on mesa, bears SW. and NE.; gradually desc.</p>
20.00	<p>S. rim of gulch, bears NE. and SW.; desc. abrupt N. slope.</p>
27.25	<p>Gulch, 305 ft. below top, course S. 60° W.; asc. abrupt S. slope, 200 ft. to</p>
36.00	<p>N. rim of gulch, NE. and SW.; thence gradually asc. over rolling mesa.</p>
40.00	<p>On a SE. slope, 30 ft. above the rim.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;">  1921 </div>
	<p>from which</p> <p>A cedar, 6 ins. diam., bears S. $89\frac{1}{2}^{\circ}$ E., 15 lks. dist., marked $\frac{1}{4}$ S15 BT</p> <p>A pinon, 8 ins. diam., bears N. $85\frac{1}{2}^{\circ}$ W., 48 lks. dist., marked $\frac{1}{4}$ S16 BT</p>
60.00	<p>Top of slight raise, 60 ft. above $\frac{1}{4}$ cor., bears NE. and SW.; thence over gentle NW. exposure.</p>
71.60	<p>Shallow swale, drains SW.; gradually asc. S. slope, 60 ft.</p>
80.00	<p>On a S. slope.</p> <p>Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in</p>

Subdivision of T. 41 S., R. 3 W.

Chains	<p>the ground; for cor. secs. 9-10-15 and 16, with brass cap marked</p> <table border="1"> <tr><td>T41S</td><td>R3W</td></tr> <tr><td>S9</td><td>S10</td></tr> <tr><td>S16</td><td>S15</td></tr> </table> <p>1921 from which</p> <p>A pinon, 7 ins.diam., bears N.52°E., 75 lks. dist., marked T41S R3W S10 BT</p> <p>A cedar, 12 ins.diam., bears S.$42\frac{1}{2}^{\circ}$E., 32 lks. dist., marked T41S R3W S15 BT</p> <p>A cedar, 24 ins.diam., bears S.27°W., 27 lks. dist., marked T41S R3W S16 BT</p> <p>A pinon, 8 ins.diam., bears N.$72\frac{1}{2}^{\circ}$W., 50 lks. dist., marked T41S R3W S9 BT</p> <p>Land, broken mountainous and rolling mesa, having a general SW. exposure and drainage into canyon.</p> <p>Soil, shallow, loose sandy loam and rocky.</p> <p>Timber, medium dense cedar and pinon.</p> <p>Undergrowth, sagebrush, yellow-top and brigham-tea.</p> <p>Good grazing land on greater part of the mile.</p> <hr/> <p>S. $89^{\circ}49'$ E., on random line bet. secs. 10 and 15.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. and S. line, 7 lks. S. of the cor. secs. 10-11-14 and 15; thence</p> <p>N. $89^{\circ}52'$ W., on true line bet. secs. 10 and 15.</p> <p>Over rolling land, through scattering timber and medium dense undergrowth; gradually desc. W. slope, 95 ft. to</p> <p>Ravine, course SW.; gradually asc. SE. slope.</p> <p>On gradual E. slope, 45 ft. above ravine.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <table border="1"> <tr><td>$\frac{1}{4}$</td><td>S10</td></tr> <tr><td>$\frac{1}{4}$</td><td>S15</td></tr> </table> <p>1921 from which</p> <p>A cedar, 6 ins.diam., bears N.$25\frac{1}{2}^{\circ}$E., 41 lks. dist., marked $\frac{1}{4}$ S10 BT</p> <p>A cedar, 8 ins.diam., bears S.$30\frac{1}{2}^{\circ}$E., 35 lks. dist., marked $\frac{1}{4}$ S15 BT</p> <p>Low rolling ridge, 45 ft. above $\frac{1}{4}$ cor., bears NE. and SW.</p>	T41S	R3W	S9	S10	S16	S15	$\frac{1}{4}$	S10	$\frac{1}{4}$	S15
T41S	R3W										
S9	S10										
S16	S15										
$\frac{1}{4}$	S10										
$\frac{1}{4}$	S15										
40.00											
79.98											
23.60											
39.99											
57.60											

Subdivision of T. 41 S., R. 3 W.

Chains	
70.80	gently desc. along SW. slope, 60 ft. to Cross head of shallow swale, drains SW.; gradually asc. SE. slope, 40 ft. to
79.98	The cor. of secs. 9-10-15 and 16. Land, rolling, having a general SW. exposure and drainage. Soil, deep, fine, loose reddish sandy loam. Timber, mostly scattered cedar and pinon with occasional dense clump.
	Undergrowth, considerable black sagebrush, with yellow- top and brigham-tea.
	Good grazing land.

	N. $0^{\circ}02'$ W., bet. secs. 9 and 10.
	Over rolling land, through dense timber and scattered undergrowth; gradually asc. S. slope, 40 ft.-to
5.50	Top of ridge, bears E. and SW.; thence over rolling N. slope gradually descending.
21.50	Leave dense, enter scattering timber, bears E. and W.
40.00	On gentle N.. slope, 205 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S9 S10
	1921
	from which
	. A cedar, 8.ins.diam., bears N. 24° E., 35 lks. dist., marked $\frac{1}{4}$ S10 BT
	. A cedar, 8 ins.diam., bears S. $44\frac{1}{2}^{\circ}$ W., 18 lks. dist., marked $\frac{1}{4}$ S9 BT
61.65	Base of descent in large ravine, 75 ft. below $\frac{1}{4}$ cor., course SW.; asc. broken S. slope, 160 ft. to
78.10	Top of 30 ft.. rim ledge and top of ascent from ravine, bears W. 1 ch. to end, and NE.; thence over level land to
80.00	Set an iron post, 3 ft. long, 2 ins.dia., 24 ins. in the ground., for cor. secs. 3-4-9 and 10, with brass cap marked

Subdivision of T. 41 S., R. 13 W.

Chains

T41S	R3W
S4.	S3
S9	S10

1921

from which

A cedar, 6 ins.diam., bears N. $66\frac{1}{2}$ ^oE., 55 lks.

dist.,marked T41S R3W S3 BT

A cedar, 8 ins.diam., bears S. $34\frac{1}{2}$ ^oE., 48 lks.

dist.,marked T41S R3W S10 BT

A cedar, 8 ins.diam., bears S. $20\frac{1}{2}$ ^oW., 73 lks.

dist.,marked T41S R3W S9 BT

A cedar, 7 ins.diam., bears N. $9\frac{1}{2}$ ^oW., 67 lks.

dist.,marked T41S R3W S4 BT

- Land, rolling, with SW. and NW. exposure, drainage to W.
- Soil, deep, loose sandy loam, with scattered sandrock outcrops.
- Timber, dense to scattered cedar and pinon.
- Undergrowth, dense to scattered sagebrush, yellow-top, brigham-tea and some oak brush. Good grazing land.
- S. $89^{\circ}52'$ E., on random line bet. secs. 3 and 10.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect the cor. of secs. 2-3-10 and 11; thence N. $89^{\circ}52'$ W., on true line bet. secs. 3 and 10.
- Over rolling land facing SW., through scattering timber and medium dense short undergrowth; desc. rocky SW. slope.
- 3.75 Base of rocky land, and leave all timber, 60 ft. below sec. cor., bears NW. and SE.; thence more gradual descend.
- 24.00 Enter very scattered timber, bears NE. and SW.
- 39.99 On a slight S. exposure, 120 ft. below sec. cor.
- Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S3
of .37 cal. apply $\frac{1}{4}$ sec. cor. to S3
- After 1921 from which dist. 1.58 ins. dia. of .37 cal. apply $\frac{1}{4}$ sec. cor. to S3
- 33.00 A cedar, 10 ins.diam., bears N. 46° E., 64 lks. 00.00 dist.,marked $\frac{1}{4}$ S3 BT
- 33.00 A cedar, 8 ins.diam., bears S. 35° E., 343 lks. dist.,marked $\frac{1}{4}$ S10 BT
- 42.90 A lone conical sandrock, 15 ft. high, 40 lks. dia. on line.

Subdivision of T. 41 S.; R. 3 W.

Chains	
67.45	Shallow ravine, 50 ft. below $\frac{1}{4}$ cor., course SW.; gradually asc. SE. and E. slopes, 100 ft. to top.
78.10	Top of red sandstone rim ledge, 40 ft. high and top of ascent from ravine, bears NE. and SW.; thence over level top.
79.98	The cor. of secs. 3-4-9 and 10. Land, low rolling, having a general SW. exposure and drainage. Soil, mostly a deep, fine, loose sandy loam, with scattered sandrock outcrops on E. and W. ends of mile. Timber, scattering cedar and pinon, on portion of the mile. Undergrowth, medium dense sagebrush and yellow-top. Good grazing land.

	N. $0^{\circ}02'$ W., on true line bet. secs. 3 and 4.
	Over low rolling land with a westerly exposure, through scattering timber and medium dense undergrowth.
23.35	Top of low raise on W. slope, 45 ft. above sec. cor., bears E.
34.60	Cross head of swale, 45 ft. below raise, drains W.
40.00	On slight SW. slope, 10 ft. above swale. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S4 S3
	1921
	from which
	A cedar, 6 ins. diam., bears N. $47\frac{3}{4}^{\circ}$ E., 116 lks. dist., marked $\frac{1}{4}$ S3 BT
	A cedar, 12 ins. diam., bears N. 30° W., 30 lks. dist., marked $\frac{1}{4}$ S4 BT
45.65	Top of low raise on W. slope, 45 ft. above $\frac{1}{4}$ cor., bears E.
54.35	Swale, 40 ft. below raise, drains SW.; asc. 60 ft. to
80.20	Top of raise on W. slope, bears E.; thence along W. slope.
84.82	Intersect the 8th standard parallel south, west, 4.93 chs.

Subdivision of T. 41 S., R. 3 W.

Chains	<p>dist. from the standard $\frac{1}{3}$ cor. on S. bdy. sec. 34, which is a brown sandstone, 24x10x8 ins., firmly set, marked and witnessed as described by the surveyor general. At point of intersection, I Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to bedrock, and in a mound of stone, for closing cor. of secs. 3 and 4, with brass cap marked</p> <p style="text-align: center;">T40S R3W S34</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>S4</td><td>S3</td></tr> <tr> <td>T41S</td><td>R3W</td></tr> <tr> <td colspan="2" style="text-align: center;">CC</td></tr> <tr> <td colspan="2" style="text-align: center;">1921</td></tr> </table> <p>from which</p> <p>A pinon, 24 ins. diam., bears $S.22\frac{1}{2}^{\circ}E.$, 83 lks. dist., marked T41S R3W S3 CC BT. A cedar, 12 ins. diam., bears $S.57^{\circ}W.$, 92 lks. dist., marked T41S R3W S4 CC BT.</p> <p>Land, rolling, with general W. and SW. exposure and drainage.</p> <p>Soil, shallow, loose sandy loam, with scattered sandrock outcroppings.</p> <p>Timber, scattered cedar and pinon.</p> <p>Undergrowth, medium dense black sagebrush and yellow-top.</p> <p>Good grazing land.</p> <hr/> <p>From the true point for cor. of secs. 4-5-32 and 33 on S. bdy. of tp., which is 80 lks. E. of the witness cor. an iron post, 2 ins. dia., firmly set in large mound of stone, established and described by me in notes of survey T.42 S., R.3 W. The witness cor. stands on E. edge of high mesa. Thence from true cor. point N. $0^{\circ}03'W.$, bet. secs. 32 and 33.</p> <p>Over rough mountainous land, through medium dense timber and scattering undergrowth; along abrupt rocky E. slope. Top of ascent on NE. point of mesa top, 40 ft. above true cor. point, the mesa bears about S. and W., a rugged spur takes off to N. $10^{\circ}E.$. Descend along an abrupt, ledgy W. slope. Top of 50 ft. rim ledges, bears NE. and S. $10^{\circ}W.$; thence</p>	S4	S3	T41S	R3W	CC		1921	
S4	S3								
T41S	R3W								
CC									
1921									
2.40									
35.40									

Subdivision of T. 41 S.; R. 3 W.

Chains

36.50	Leave ledges, bears NE. and S. 20° W.
40.00	On steep N. slope, 620 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S32 | S33 1921
	from which R3-28-32-33 sec'd cor. desc'd down to S. E.
	A cedar, 10 ins. diam. bears N. 53° E., 58 lks. dist., marked $\frac{1}{4}$ S33 BT
	A cedar, 8 ins. diam., bears N. $75\frac{1}{2}^{\circ}$ W., 62 lks. dist., marked $\frac{1}{4}$ S32 BT
51.85	Base of the steep descent in bottom of draw, 95 ft. below $\frac{1}{4}$ cor., course N. 80° E.; thence over low broken land
63.30	Sandy spur, projects N. 80° E.; desc. N. slope, 130 ft. to st. at
72.30	Draw, course N. 70° E.; asc. 100 ft. to
75.90	Sandy spur, projects N. 70° E.; desc. abrupt N. slope, 85 ft. to
80.00	In head of draw, course N. 80° E. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 28-29-32 and 33, with brass cap marked
	T41S | R3W S29 | S28 S32 | S33 1921

from which

- A cedar, 4 ins. diam., bears N. $77\frac{1}{4}^{\circ}$ E., 168 lks.
dist., marked only BT
- A cedar, 6 ins. diam., bears S. $10\frac{1}{2}^{\circ}$ E., 66 lks.
dist., marked only BT
- A cedar, 4 ins. diam., bears S. $44\frac{1}{2}^{\circ}$ W., 87 lks.
dist., marked only BT
- A cedar, 10 ins. diam., bears N. $24\frac{2}{3}^{\circ}$ W., 242 lks.
dist., marked only BT

The trees were either too small or scrubby to place full markings on them.

Land, rough mountainous and broken; N. to NE. exposure
and drainage into Buckskin Wash.

Subdivision of T. 41 S., R. 3 W.

Chains	
	Soil, mostly rocky with shallow clay and sandy loams; red sandstone formation.
	Timber, medium den se scrub cedar and pinon.
	Undergrowth, scattering sagebrush, yellow-top, serviceberry and brigham-tea brush. Poor grazing on most of mile.

	East, on random line bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect the cor. of secs. 27-28-33 and 34; thence West, on true line bet. secs. 28 and 33.
	Across level canyon bottom through dense sagebrush.
8.15	Road, bears N.20°W. and S.20°E.
11.50	Buckskin Wash, 1 ch. wide, 16 ft. deep, course S.20°E.
17.35	Deer Spring Wash, 1 ch. wide, 12 ft. deep, course S.30°E.
23.00	Leave level canyon bottom, enter broken land and medium dense timber, bears N.80°W. and S.30°E.; asc. 40 ft. to
24.80	Thence over level top of low bench.
31.50	E. edge of bench, bears S.70°W. and N.80°E.; desc. along N. slope, 30 ft. to
40.04	On N. slope at base of descent, in S. edge of canyon, bears NW. and N.70°E.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S28 S33 1921
	from which
	A. pinon, 7 ins. diam., bears S.18°E., 39 lks. dist., marked $\frac{1}{4}$ S33 BT
	A. cedar, 5 ins. diam., bears N.87 $\frac{1}{4}$ °E., 37 lks. dist., marked $\frac{1}{4}$ S28 BT
	Asc. along N. slope, 60 ft. to
45.50	Top of ascent on N. slope, bears SW.; desc. 60 ft. to
50.90	Draw, course NE.; asc. 70 ft. to
59.00	Low spur, projects N.30°E.; desc. 45 ft.
64.65	Draw, course N.20°E.; asc. 40 ft.
68.10	Spur, projects NE. 4 chs. to end.; desc. along N. slope.

Subdivision of T. 41 S., R. 3 W.

Chains	
80.08	The cor. of secs. 28-29-32 and 33, 50 ft. below spur.
80.23	E. 23 chs. is level canyon bottom, covered with dense black sagebrush, 2 to 3 ft. high; sandy loam soil: remainder of mile is low broken land facing N. into canyon, broken by numerous small draws and spurs, covered with a medium dense growth of scrub cedar and pinon, and sagebrush, yellow-top and service brush; soil, loose sand and clay, and scattered rock..
80.30	Good grazing land.
80.35	N. 0°03' W., bet. secs. 28 and 29.
80.40	Over low broken land facing NE., through medium dense timber and short undergrowth; gradually asc. broken SE. slope, 110 ft. to top.
16.30	Sandy spur, projects N. 80°E.; desc. 75 ft. to
21.00	Base of broken land, enter nearly level canyon bottom, bears N. 60°W. and S. 60°E.
25.00	Leave timber, enter heavier sagebrush, bears E. and SW.
38.65	Old wire fence, bears NW. and SE.
40.00	In level bottom land.. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S29 S28
	1921
48.00	dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
50.00	Leave flag for triangulation point.
58.00	Deer Spring Wash, 50 lks. wide, 16 ft. deep, dry, vertical banks, course SE.
	N. edge of bottom land and base of abrupt, ledgy mesa slope, bears NW. and SE.; the line N. from here ascends abruptly over high sandstone ledges up which it is impracticable to chain, therefore I return to flag left at 48.00 chs. and triangulate to top as follows:
	Set flag which I designate "A" N. 0°03' W on top of ledges,

Subdivision of T. 41 S., R. 3 W.

		231								
Chains	<p>from which I turn angle of $54^{\circ}11\frac{1}{2}'$ to the left, and measure base line "BC" 16.00 chs. dist. to point whence "A" subtends angle of $92^{\circ}55\frac{1}{2}'$. From "A" the base "BC" subtends angle of $32^{\circ}53'$.</p> <p>Vertical angle "B" to "A" = plus $16^{\circ}52'$.</p> <p>Triangulation dist. = 29.43 chs. Measured dist. = 48.00 Dist. to "A" = 77.43</p>									
77.43	<p>Top of ascent on abrupt W. slope, near top of mesa to E. 590 ft. above canyon, bears E.; gradually desc. along W. slope, 25 ft. to</p>									
80.00	<p>On abrupt ledgy W. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 20-21-28 and 29, with brass cap marked</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T41S</td><td>R3W</td> </tr> <tr> <td>S20</td><td>S21</td> </tr> <tr> <td colspan="2">-----</td> </tr> <tr> <td>S29.</td><td>S28</td> </tr> </table> <p style="text-align: center;">1921</p> <p>from which</p> <p>A pinon, 12 ins. diam., bears N. $78\frac{3}{4}^{\circ}$ E., 20 lks. dist., marked T41S R3W S21 BT</p> <p>A pinon, 8 ins. diam., bears S. 32° E., 90 lks. dist., marked T41S R3W S28 BT</p> <p>A pinon, 8 ins. diam., bears S. $57\frac{1}{4}^{\circ}$ W., 133 lks. dist., marked T41S R3W S29 BT</p> <p>A cedar, 10 ins. diam., bears N. 31° W., 55 lks. dist., marked T41S R3W S20/BT</p> <p>Land, low broken on S. 21 chs., covered with medium dense cedar and pinon and sagebrush undergrowth; soil, loose sand and clay, mixed with rock; next 37 chs. is nearly level canyon bottom, covered with dense sagebrush, soil deep, loose sandy loam: remainder of mile is precipitous S. and SW. face of mesa, with high sandstone ledges, rocky soil; red sandstone formation.</p> <p>Good grazing land on S. 58 chs.</p> <hr/> <p>East, on random line, bet. secs. 21 and 28.</p> <p>Set temp. $\frac{1}{2}$ sec. cor.</p>	T41S	R3W	S20	S21	-----		S29.	S28	
T41S	R3W									
S20	S21									

S29.	S28									
40.00										
80.10	<p>Intersect N. and S. line, 23 lks. S. of cor. secs. 21-22-</p>									

Subdivision of T. 41 S., R. 3 W.

Chains	
0.00	27 and 28; thence S. 89°50' W., on true line, bet. secs. 21 and 28. sec. cor.
7.00	Across level canyon bottom; through dense sagebrush to W. edge of canyon bottom and dense sagebrush, and base of rough mountainous land and medium dense timber, bears N. 20°E. and S. 20°W.; asc. steep, broken and rocky E. slope, desc. into draw, 150 ft. below cor.
30.00	Top of 50 ft. rim ledge on edge of mesa, 625 ft. above sec. cor., bears N. 10°E. and S. 10°W.; thence slight ascent over rolling top of mesa, through heavier timber.
40.05	On slight E. exposure 40 ft. above rim.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{\text{S21}}{\text{S28}}$
	1921
	from which
	A cedar, 18 ins. diam., bears S. 41°W., 38 lks. dist., marked $\frac{1}{4}$ S28/BT
	A pinon, 14 ins. diam., bears N. 13°W., 107 lks. dist., marked $\frac{1}{4}$ S21/BT
60.00	Top of raise on mesa, 25 ft. above $\frac{1}{4}$ cor., bears N. and S.; thence over W. slope.
68.00	Begin more abrupt descent over broken, rocky W. slope.
80.10	The cor. of secs. 20-21-28 and 29, 280 ft. below top. Land, mountainous, rolling mesa top and level canyon bottom; E. and W. exposures; drainage E. into Buckskin Wash and W. into Deer Spring Wash.
	Soil, rocky and loose sandy loam.
	medium.
	Timber, dense cedar and pinon, on W. 73 chs.
	Undergrowth, considerable sagebrush.
	Fair grazing land.

	N. 0°03' W., bet. secs. 20 and 21.
	Over rough mountainous land, through dense timber and scattering undergrowth; desc. along abrupt W. slope.
4.90	Cross head of gully, 150 ft. below cor., drains W.; asc.

Subdivision of T. 41 S., R. 3 W.

Chains

	abrupt ledgy S. slope, 110 ft. to
10.00	W. point of mesa top, extends E.; desc. abrupt NW. slope over series of small sandstone ledges, 350 ft. to
28.25	Gulch, coarse SW.; asc. abruptly S. and SE. slopes over series of broken ledges. Unnamed drainage.
40.00	True point for $\frac{1}{4}$ sec. cor. falls on abrupt S. slope among ledges where cor. cannot be established, therefore at end of chain, 100 ft. from previous point.
40.30	On small shelf on top of a 30 ft. ledge, bears NE. and SW. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, to bedrock, and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked
	1921 $\frac{1}{4}$ S20 S21 W.C. 1921

from which

A pinon, 10 ins. diam., bears N. $11\frac{3}{4}^{\circ}$ E., 106 lks.dist., marked WC $\frac{1}{4}$ S21 BTA cedar, 14 ins. diam., bears S. $69\frac{1}{2}^{\circ}$ W., 24 lks.

dist., marked only WC BT

41.60 N. rim of gulch on edge of mesa, 25 ft. above the witness cor. and 375 ft. above bottom of gulch, bears NE. and SW.; thence over gently rolling mesa land, through sandy loam soil.

46.50 Top of raise, 10 ft. above rim, bears NE. and SW.

65.00 Swale, 80 ft. below raise, drains SW.

80.00 On a slight N. exposure.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 16-17-20 and 21, with brass cap marked

T41S R3W

S17 S16

S20 S21

1921

from which

A cedar, 6 ins. diam., bears N. $79\frac{5}{8}^{\circ}$ E., 74 lks.

dist., marked T41S R3W S16 BT

A pinon, 8 ins. diam., bears S. 7° E., 110 lks.

dist., marked T41S R3W S21 BT

Subdivision of T. 41 S., R. 3 W.

Chains	<p>A cedar, 6 ins. diam., bears S.$23\frac{1}{2}$^oW., 93 lks. dist., marked T41S R3W S20 BT</p> <p>A cedar, 6 ins. diam., bears N.$58^{\circ}W.$, 156 lks. dist., marked T41S R3W S17 BT</p> <p>S. $\frac{1}{2}$ mile is rough mountainous with general W. to SW. slopes, rocky in form of ledges and boulders, with some shallow sandy loam; remainder of mile is gently rolling mesa, slight W. exposure, deep, loose sandy loam.</p> <p>Timber, medium dense cedar and pinon, on mile.</p> <p>Undergrowth, scattered to medium dense sagebrush.</p> <p>Good grazing land on mesa.</p> <hr/> <p>N. $89^{\circ}50'$ E., on random line bet. secs. 16 and 21.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor. in random line bet. secs. 16 and 21.
80.18	Intersect N. and S. line, 5 lks. N. of cor. secs. 15-16-21 and 22; thence
	S. $89^{\circ}52'$ W., on true line bet. secs. 16 and 21.
	Over mountainous land, through medium dense timber and scattered undergrowth; desc. abrupt, ledgy W. slope.
3.35	Base of slope in E. edge of canyon, and leave timber, 200 ft. below cor., bears N. $30^{\circ}W.$ and SE.; thence across level canyon bottom and dense sagebrush.
4.85	Old road, bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$.
11.15	Buckskin Wash, 2 chs. wide, 20 ft. deep, dry, vertical banks, course S. $30^{\circ}E.$.
15.00	W. edge of canyon bottom at base of rocky slope and timber, bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$; asc. abrupt, ledgy E. slope.
27.50	Top of ascent on N. edge, 50 lks. N. of rim of mesa, 330 ft. above canyon, slopes off to NE.; desc. NW. slope.
36.05	Gulch, near head, 95 ft. below top of ascent, course NE. Asc. abrupt E. slope, 100 ft. to
40.09	On E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<u>$\frac{1}{4}$ S16</u> <u>$\frac{1}{4}$ S21</u>
	1921
	from which

Subdivision of T. 41 S., R. 3 W.

Chains	
	A cedar, 5 ins. diam., bears S. 42° W., 104 lks. dist., marked $\frac{1}{4}$ S21 BT
	A cedar, 7 ins. diam., bears N. $69\frac{1}{2}^{\circ}$ W., 44 lks. dist., marked $\frac{1}{4}$ S16 BT
43.00	W. rim of canyon and E. edge of mesa; 40 ft. above $\frac{1}{4}$ cor., bears NE. and SW.; thence gradually asc. over top of mesa.
58.00	Top of ascent on mesa, 50 ft. above rim, bears N. and S. thence over slight W. slope.
80.18	The cor. of secs. 16-17-20 and 21, 35 ft. below top. Land, mountainous and rolling mesa; E. and W. exposures, drainage S. Soil, loose sandy loam and rocky; red sandstone formation Timber, dense cedar and pinon, except in canyon bottom. Undergrowth, medium dense sagebrush and rabbit-brush. Fair grazing land.
	N. $0^{\circ}03'$ W., bet. secs. 16 and 17.
	Over rolling mesa top, through medium dense timber and undergrowth; over slight W. exposure.
35.00	Top of flat raise, bears NW. and SE.; thence over slight N. and NE. exposure.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in. the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S17 S16
	1921.
	from which.
	A. pinon, 10 ins. diam., bears S. $84\frac{3}{4}^{\circ}$ E., 118 lks. dist., marked $\frac{1}{4}$ S16 BT
	A cedar, 8 ins. diam., bears N. 18° W., 250 lks. dist., marked $\frac{1}{4}$ S17 BT
67.00	Leave dense, enter scattering timber, bears E. and W.
80.00	On N. slope, 130 ft. below $\frac{1}{4}$ cor. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 8-9-16 and 17, with brass cap marked
	T41S | R3W S8 | S9 S17 | S16
	1921.
	from which

Subdivision of T. 41 S., R. 3 W.

Chains	
	A cedar, 7 ins. diam., bears N. 56° E., 170 lks. dist., marked T41S R3W S9 BT A cedar, 8 ins. diam., bears S. 84° W., 429 lks. dist., marked T41S R3W S17 BT A cedar, 12 ins. diam., bears N. 82° W., 415 lks. dist., marked T41S R3W S8 BT
	and dig pits, 18x18x12 ins., in each sec. 3 ft. dist. of post. No tree within limits in sec. 16.
	Land, rolling mesa, having a slight W. exposure on the S. 35 chs. and to N. and NE. on remainder of mile. Soil, deep, loose sandy loam, with a few scattered sand- rock outcrops.
	Timber, dense to scattering cedar and pinon.
	Undergrowth, medium dense black sagebrush, yellow-top and rabbit-brush. Good grazing land.

	N. 89°52' E., on random line bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.18	Intersect N. and S. line, 2 lks. S. of cor. secs. 9-10- 15 and 16; thence
	S. 89°51' W., on true line bet. secs. 9 and 16.
	Overrolling mountainous land, through medium dense timber and scattering undergrowth; gradually asc. SE. slope, 35 ft. to
4.70	Top of ascent on SW. slope, bears N. 20° E. and SW.; begin descent over broken W. slope towards canyon.
21.35	S. end of red sandstone rim ledge, 25 ft. high, bears N.
25.30	Begin more abrupt descent over ledgy W. slope, bears N. 30° W. and S. 30° E.
38.25	Base of slope and E. edge of canyon bottom, 375 ft. below top of ascent, bears N. 10° W. and S. 10° E.; thence across level canyon bottom, through dense sagebrush.
40.09	On level ground in canyon. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S9 S16 1921
	from which

Subdivision of T. 41 S., R. 3 W.

	A cedar, 10 ins.diam., bears N.82 $\frac{1}{2}$ E., 207 lbs. dist.,marked $\frac{1}{2}$ S9 BT A cedar, 6 ins.diam., bears S.44 $\frac{1}{2}$ E., 235 lbs. dist.,marked $\frac{1}{2}$ S16 BT
40.70	Dim trace of old road, bears N.10°E. and S.10°W.
42.70	Buckskin Wash, 1 ch. wide, 20 ft. deep, vertical banks, dry, course S.10°W.
45.80	E. edge of canyon bottom, bears N.10°E. and S.20°E.; asc. abrupt, rocky E. slope, 250 ft. to
55.85	E. rim of canyon, bears N. and S.30°E.; thence over rolling top of mesa, slight E. exposure, through few scattered trees.
80.18	The cor. of secs. 8-9-16 and 17, about level with rim. Land, rolling mountainous, level canyon bottom and rolling mesa land, E. and W. exposures into canyon; drainage S.
	Soil, loose sandy loam and rocky on canyon slopes; deep, fine sandy loam on mesa.
	Timber, medium dense to scattering cedar and pinon.
	Undergrowth, considerable sagebrush, yellow-top and brigham-tea brush. Good grazing land.
	N. 0°03' W., bet. secs. 8 and 9.
	Over gently rolling mesa with E. and NE. exposures, through scattering timber and medium dense undergrowth.
40.00	On a slight NE. slope, 70 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked
	S8 S9
	1921
	from which
	A cedar, 6 ins.diam., bears N.34 $\frac{1}{2}$ E., 42 lbs. dist.,marked $\frac{1}{2}$ S9 BT A pinon, 5 ins.diam., bears S.81 $\frac{1}{2}$ W., 50 lbs. dist.,marked $\frac{1}{2}$ S8 BT
49.00	Base of descent in depression on E. slope, 25 ft. below 1 cor., drains E.: gradually asc. SE. slope, 70 ft. to

Subdivision of T. 41 S., R. 3 W.

Chains

- 64.70. Low spur, projects NE.; gradually desc. N. slope, 45 ft.
 80.00. On a gradual NW. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
 the ground, for cor. secs. 4-5-8 and 9, with brass
 cap marked

T41S	R3W
S5	S4
S8	S9

1921

from which

A cedar, 6 ins. diam., bears N. $25\frac{1}{2}$ ° E., 59 lks.

dist., marked T41S.R3W S4 BT.

A cedar, 8 ins. diam., bears S. $39\frac{1}{2}$ ° E., 128 lks.

dist., marked T41S.R3W S9 BT.

A cedar, 12 ins. diam., bears S. $52\frac{1}{2}$ ° W., 22 lks.

dist., marked T41S.R3W S8 BT.

A pinon, 10 ins. diam., bears N. $58\frac{1}{2}$ ° W., 443 lks.

dist., marked T41S.R3W S5 BT.

Land, gently rolling mesa with general E. and NE. exposure.

Soil, deep, loose, reddish sandy loam, with some scattered
 sandrock; surface gravelly, with cobbles, stones.

Timber, scattering cedar and pinon.

Undergrowth, medium dense sage, yellow-top, and brigham-
 tea brush. Good grazing land.N. $89^{\circ}51'$ E., on random line bet. secs. 4 and 9.40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.10 Intersect N. and S. line, 15 lks. N. of the cor. secs.

3-4-9 and 10; thence, and other half of sec. 4, to

S. $89^{\circ}53'$ W., construe line bet. secs. 4 and 9.Over rolling mesa facing W. and SW., through medium
 dense timber and undergrowth; gradually desc.

38.20 Ravine, 190 ft. below sec. cor., course SW.; asc.

40.05 On SE. slope, 20 ft. above the ravine.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the
 ground to bedrock, and in a large mound of stone, for
 $\frac{1}{2}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S4
	S9

1921

from which

Subdivision of T. 41 S., R. 3 W.

Chains	
44.30	A pinon, 6 ins. diam., bears N. $14\frac{1}{2}$ ° E., 52 lks. dist., marked $\frac{1}{4}$ S4 BT A cedar, 10 ins. diam., bears S. 55° W., 36 lks. dist., marked $\frac{1}{4}$ S9 BT
49.75	Base of slope and E. edge of canyon bottom, bears N. 10° W. and S. 20° E.; thence across level bottom land, through heavier sagebrush, no timber.
52.00	Dim old road, bears N. 20° W. and S. 20° E.
58.00	Buckskin Wash, 1 ch. wide, 25 ft. deep, vertical banks, dry, course S. 20° E.
60.50	W. edge of canyon bottom, bears N. and S. 20° E.; gradually asc. broken E. slope, through medium dense timber.
76.25	Top of low spur, 140 ft. above canyon, projects N.; gently desc. W. slope; 25 ft. to top, general Land, rolling and level canyon bottom; general SW. and E. exposures; drainage S. 20° E.
80.10	The cor. of secs. 4-5-8 and 9. Land, rolling and level Soil, loose sandy loam, with scattered sandrock outcrops. Timber, medium dense cedar and pinon, except in canyon. Undergrowth, medium dense sage, yellow-top and brigham- tea brush. Good grazing land.
13.50	N. 0° 03' W., on true line bet. secs. 4 and 5. 0 ft. 0 in. Over rolling mesa land having a general eastern exposure into Buckskin Wash; through scattering timber and dense short undergrowth; desc. N. slope, 100 ft. to ravine, course E.; asc. slope, 25 ft. above ravine, bears W.
24.50	Top of raise on E. slope; 25 ft. above ravine, bears W.
40.00	On slight NE. slope; 100 ft. below top of raise.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S5 | S4 92 1921 from which

Subdivision of T. 41 S., R. 3 W.

Chains

- A cedar, 12 ins. diam., bears S. $29\frac{1}{2}$ ^oE., 263 lks.
dist., marked $\frac{1}{4}$ S4 BT
A cedar, 8 ins. diam., bears S. $38\frac{3}{4}$ ^oW., 123 lks.
dist., marked $\frac{1}{4}$ S5 BT
- 53.10 Swale, 40 ft. below $\frac{1}{4}$ cor., drains E. about 4 chs. dist.
to canyon bottom; asc. 70 ft. to
- 62.00 Top of ascent on E. slope, bears W.; desc. along E. slope.
- 83.35 Base of slope and W. edge of canyon bottom, 45 ft. below
top of ascent, bears N. 20° W. and S. 10° E.; thence over
level canyon bottom.
- 84.88 Intersect the 8th standard parallel south, 4.86 chs.
West, from the standard $\frac{1}{4}$ cor. on S. bdy. sec/ 33,
which is sandstone, 24x16x6 ins., firmly set, marked
and witnessed as described by the surveyor general. At
point of intersection, I
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
the ground for closing cor. of secs. 4 and 5, with brass
cap marked

T40S	R3W
S33	
S5	S4
T41S	R3W
	CC

1921

from which

A cedar, 8 ins. diam., bears S. $9\frac{1}{2}$ ^oE., 263 lks.
dist., marked T41S R3W S4 CC BT

A yellow pine, 36 ins. diam., bears S. $28\frac{1}{2}$ ^oW., 198 lks.
dist., marked T41S R3W S5 CC BT

Land, rolling with general exposure and drainage E. into
Buckskin Wash, which drains nearly S.

Soil, loose, sandy loam, with scattered sandstone out-
crops.

Timber, scattering cedar and pinon.

Undergrowth, dense sage, yellow-top and brigham-tea brush.

Good grazing land.

From the cor. of secs. 5-6-31 and 32 on S. bdy. of tp.,
an iron post, 2 ins. dia.; extending 12 ins. above
ground; established and described by me in notes of
survey T. 42 S., R. 3 W.; thence

Subdivision of T. 41 S., R. 3 W.

Chains	N. $0^{\circ}03'$ W.; bet. secs. 31 and 32. Over mountainous land; through medium dense timber and short undergrowth; gradually desc. along top of mesa, NE. exposure, 80 ft. to
28.80	S. rim of gulch, bears NE. and N. 70° W.; desc. abrupt, rocky N. slope, 180 ft. to
39.50	Bottom of gulch, course N. 60° E.; asc.
40.00	In N. edge of gulch bottom, 10 ft. above drain. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S31 S32 1921
	from which A pinon, 24 ins. dia., bears S. 54° E., 18 lks. dist., marked $\frac{1}{4}$ S32 BT A pinon, 8 ins. dia., bears N. 49° W., 25 lks. dist., marked $\frac{1}{4}$ S31 BT
44.00	Asc. abrupt, rocky S. slope, 160 ft. to N. rim of the gulch, bears NE., and W. for 10 chs. thence to SW.; thence over rolling top of high mesa, S. expo- sure.
66.00	Top of raise on mesa, 30 ft. above rim, bears E. and SW.
80.00	On nearly level ground. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 29-30-31 and 32, with brass cap marked
	T41S R3W S30 S29 S31 S32 1921
	from which A cedar, 4 ins. diam., bears N. 66° E., 50 lks. dist., marked only BT A cedar, 8 ins. diam., bears S. $68\frac{3}{4}$ E., 99 lks. dist., marked T41S R3W S32 BT A cedar, 12 ins. diam., bears S. $31\frac{1}{2}$ W., 188 lks. dist., marked T41S R3W S31 BT A cedar, 12 ins. diam., bears N. 52° W., 93 lks. dist., marked T41S R3W S30 BT
	Land, mountainous and rolling mesa; drainage NE.

Subdivision of T. 41 S., R. 3 W.

Chains	Soil, deep, loose sandy loam on mesa; rocky with broken sandstone ledges on slopes of gulch; red sandstone formation.
40.00	Timber, medium dense cedar and pinon, on mile.
80.26	Undergrowth, medium growth of black sagebrush, service and yellow-top brush. Good grazing land on mesa tops.
40.13	East, on random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.26	Intersect N. and S. line, 5 lks. S. of the cor. secs. 28-29-32 and 33; thence S. $89^{\circ}58'$ W., on true line bet. secs. 29 and 32.
15.65	Over broken mountainous land, through medium dense timber and scattering undergrowth; asc. abrupt, rocky E. slope.
40.13	Top of ledge spur, 450 ft. above sec. cor., slopes off abruptly to NE. and ascends SW. to point of mesa.; desc. along abrupt, ledgy N. and NW. slopes, 390 ft. to On NW. slope.
40.13	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<u>S29</u> <u>S32</u>
	1921
	from which
	A pinon, 10 ins. diam., bears S. 60° W., 19 lks. dist., marked $\frac{1}{4}$ S32 BT.
	A pinon, 12 ins. diam., bears N. 5° W., 23 lks. dist., marked $\frac{1}{4}$ S29 BT
	Desc. along broken NW. slope, 55 ft. to
49.70	Canyon, course N. 30° E.; asc. abrupt, ledgy E. slope.
69.20	W. rim of canyon, 600 ft. above bottom, bears NE. and SW. Thence over rolling top of mesa, slight SE. exposure.
80.26	The cor. of secs. 29-30-31 and 32.
	Land, broken mountainous, on E. 69.20 chs.; remainder
	rolling top of high mesa; drainage NE.
	Soil, rocky in form of sandstone ledges and outcrops, with shallow light sandy loam and clay, on the rough portion; deep sandy loam on mesa.

Subdivision of T. 41 S., R. 3 W.

Chains	
	Timber, medium dense cedar and pinon.
	Undergrowth, scattering sage, service and yellow-top brush. Fair grazing land, on portions of the mile.

	West, on random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.90	Intersect W. bdy. of tp., 24 lks. S. of the cor. secs. 25-30-31 and 36, heretofore described; thence S. $89^{\circ}50'$ E., on true line bet. secs. 30 and 31.
	Over broken mountainous land, through dense timber and medium growth of undergrowth; gently desc. along mesa to
3.30	E. edge of mesa and W. rim of canyon, 30 ft. below cor., bears NE. and SW.; desc. abrupt E. and SE. slopes over series of sandstone ledges, 410 ft. to
21.90	Bottom of canyon, bears N. 60° E. and S. 60° W.; thence across canyon bottom.
25.05	Wash, 20 lks. wide, 6 ft. deep, dry, in canyon, course N. 60° E.; asc. 50 ft. along S. edge of canyon bottom to
32.60	Top of ascent on N. slope; desc. 50 ft. to
38.70	Wash, 20 lks. wide, 3 ft. deep, in mouth of canyon from the S., course N. for 3 chs. to junction with wash from the W.; continue along S. edge of bottom land.
40.90	On an E. slope in canyon bottom. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S30. BT S31 1921 from which A cedar, 12 ins. diam. bears S. 28° E., 50 lks. dist., marked $\frac{1}{4}$ S31 BT A cedar, 24 ins. diam. bears N. $85\frac{1}{4}$ W., 544 lks. dist., marked $\frac{1}{4}$ S30 BT
46.00	E. edge of canyon bottom, bears NE. and S. 70° W.; asc. abruptly over broken, ledgy NW. and W. slopes, 420 ft.
65.60	E. rim of canyon and edge of mesa, bears NE. and SW.; thence over rolling top of mesa, slight NW. exposure.
80.90	The cor. of secs. 29-30-31 and 32, 25 ft. above rim.

Subdivision of T. 41 S., R. 3 W.

Chains	Land, broken mountainous and rolling mesa; NW. and SE. exposures, drainage NE.
	Soil, rocky with shallow sandy loam on rough portions: deep, loose sandy loam on mesa tops; sandstone formation.
	Timber, dense cedar and pinon.
	Undergrowth, sage, service and oak brush. Grazing land.

	N. 0°03' W., bet. secs. 29 and 30.
	Over rolling top of mesa, through dense timber and scattering undergrowth; gradually desc. N. slope, 60 ft.
18.00	Edge of mesa and S. rim of canyon, bears NE. and SW.; desc. abrupt N. slope over series of broken ledges.
30.00	Base of ledges, bears NE. and SW.; thence gradual descent.
40.00	In canyon bottom, 560 ft. below the rim. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S30 | S29
	1921
	from which
40.40	Search for pinon, 14 ins. diam., bears S. $25\frac{1}{2}^{\circ}$ E., 175 lks. dist., marked $\frac{1}{4}$ S29 BT
	Search for cedar, 6 ins. diam., bears S. 5° W., 134 lks. dist., marked $\frac{1}{4}$ S30 BT
56.30	Wash, 30 lks. wide, 10 ft. deep, in canyon, course NE.; a very small seep in same; asc. abrupt S. slope.
63.00	N. rim of canyon, 500 ft. above bottom, bears NE. and SW. thence gradually asc. over rolling mesa, 60 ft. to
80.00	Top of ascent on mesa, bears NE. and SW.; desc. 75 ft. to On a gradual N. slope on mesa. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 19-20-29 and 30, with brass cap marked
	T41S | R3W S19 | S20 ---+--- S30 | S29
	1921
	from which

Subdivision of T. 41 S., R. 3 W.

Chains

- A piñon, 18 ins. diam., bears N. 27° E., 87 lks.
dist., marked T41S R3W S20' BT
- A piñon, 8 ins. diam., bears S. 52° E., 72 lks.
dist., marked T41S R3W S29' BT
- A cedar, 7 ins. diam., bears S. 31° W., 89 lks.
dist., marked T41S R3W S30' BT
- A piñon, 30 ins. diam., bears N. 81 $\frac{1}{2}$ ° E., 128 lks.
dist., marked T41S R3W S19' BT

Land, rough mountainous and rolling mesa; N. and S. exposures; drainage NE.

Soil, rocky in form of ledges and outcrops with some shallow sandy and clay loams, on the rough portions; loose sandy and clay loams on mesa; red sandstone formation.

Timber, dense cedar and piñon.

Undergrowth, scattering sage, service, yellow-top and oak brush. Fair grazing land.

N. 89°58' E., on random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

50.10 Intersect N. and S. line, 5 lks. N. of cor. of secs. 20-21-28 and 29; thence

West, on true line bet. secs. 20 and 29.

Over rough mountainous land, through medium dense timber and scattering undergrowth; desc. precipitous W. alone over series of sandstone ledges, 480 ft. to

55.85 Base of rocky slope and timber, enter level canyon bottom and dense sagebrush, bears NE. and SE. A gulch enters from the NE. 2 chs. N. of line.

55.95 Enter Spring Wash, 1 ch. wide, 20 ft. deep, vertical banks, dry, in bottom of canyon, course SE.

55.98 To edge of canyon bottom, leave dense sagebrush, enter medium dense timber, bears N. 60° E. and SE.; asc. rough general E. slope.

56.05 On a steep SE. slope at base of 10 ft. sandstone ledge, 40 ft. above canyon bottom.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in

Subdivision of T. 41 S., R. 3 W.

Chains

the ground, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S20
S29

1921

from which

A pinon, 6 ins. diam., bears N. 53° E., 27 lks.

dist., marked $\frac{1}{4}$ S20 BT

A cedar, 6 ins. diam., bears S. $62\frac{1}{2}$ E., 32 lks.
dist., marked $\frac{1}{4}$ S29 BT

Asc. abrupt E. slope over broken sandstone ledges.

52.70

W. rim of canyon and edge of mesa, bears N. 20° W. and S.
 20° E.; thence over gently rolling top of mesa.

80.10

The cor. of secs. 19-20-29 and 30.

Land, rough mountainous and rolling mesa and canyon

bottom; E. and W. exposures; drainage SE.

Soil, rocky in form of ledges and bedrock with shallow

sandy and clay loams on rough portions; deep, fine

sandy loam in canyon and on mesa; red sandstone formation.
medium

Timber, dense cedar and pinon, except in canyon bottom.

Undergrowth, sagebrush, scattering service, oak and
yellow-top brush. Fair grazing land on greater part of
mile.

N. $89^{\circ}50'$ W., on random line bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.88 Intersect W. bdy. of tp., 2 lks. N. of cor. secs. 19-

24-25 and 30, heretofore described; thence

S. $89^{\circ}51'$ E., on true line bet. secs. 19 and 30.

Over rolling mesa land, with slight N. exposure, through
medium dense timber and undergrowth.

40.88

On nearly level ground.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S19
S50

1921

from which

" cedar

Subdivision of T. 41 S., R. 3 W.

Chains	
	A cedar, 6 ins. diam., bears S. $45\frac{1}{2}$ °W., 21 lks. dist., marked $\frac{1}{4}$ S30°BT
	A cedar, 8 ins. diam., bears N. $5\frac{1}{2}$ °W., 71 lks. dist., marked $\frac{1}{4}$ S19°BT
51.00	W. rim of canyon, bears N. 60°E. and SW.; desc. abrupt E. slope over series of sandstone ledges, 285 ft. to
57.30	Bottom of narrow canyon, course N. 40°E.; asc. abrupt NW. and W. slopes over series of sandstone ledges, 340 ft. to
73.30	E. rim of canyon and edge of mesa, bears N. 60°E. and SW. thence over rolling top of mesa, asc. 30 ft. to
80.88	The cor. of secs. 19-20-29 and 30. Land, rolling mesa and rough mountainous; general NE. exposure and drainage. Soil, rocky and deep, sandy loam; red sandstone formation. Timber, dense cedar and pinon.
	Undergrowth, sage, scattering yellow-top, service and oak brush. Good grazing land on mesa.
	N. 0°03' W., bet. secs. 19 and 20.
	Over mountainous land, through dense timber and scattering undergrowth; gradually desc. along top of mesa to
5.75	N. edge of mesa and S. rim of canyon, 120 ft. below cor. bears NE. and SW.; desc. abrupt, ledgy N. slope, 310 ft.
14.80	Bottom of canyon, course NE.; asc./abrupt, ledgy S. slope.
20.85	Top of sharp, rocky spur, projects E. 5 chs. to end.; desc. abrupt, ledgy N. slope, 130 ft. to
24.30	Bottom of canyon, course S. 60°E. about 6 vhs. to junction with other canyon, thence N. 80°E.; asc. abrupt, ledgy S. slope, 340 ft. to
31.35	N. rim of canyon, bears W. and S. 80°E.; thence over top of mesa, gradually asc. S. slope, 80 ft. to
38.85	Top of ascent on mesa, bears E. and W.; gradually desc. N. slope.
40.00	On slight N. slope, 10 ft. below top. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 41 S., R. 3 W.

Chains	
	$\frac{1}{4}$ mile from S19, 1921
	S19 S20
	1921
	from which
	A cedar, 8 ins. diam., bears N. 54° E., 39 lks. dist., marked $\frac{1}{4}$ S20 BT
	A cedar, 14 ins. diam., bears West, 34 lks. dist., marked $\frac{1}{4}$ S19 BT
44.10	N. edge of mesa and S. rim of canyon, bears NE. and SW.; desc. abrupt N. slope over series of sandstone ledges.
56.50	Bottom of canyon, 380 ft. below rim, course N. 80° E. about 6 chs. dist. to junction with large canyon, course SE.: asc. abrupt SE. slope over series of sandstone ledges, 250 ft. to
67.75	Top of ascent on E. slope, ascends W. to point of mesa; desc. along broken, rocky E. slope, 155 ft. to
80.00	On steep E. slope. Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in ground to bedrock, and in a large mound of stone, for cor. secs. 17-18-19 and 20, with brass cap marked
	T41S R3W S18 S17
	S19 S20
	1921
	from which
	A pinon, 8 ins. diam., bears N. 1° E., 13 lks. dist., marked T41S R3W S17 BT
	A cedar, 8 ins. diam., bears S. 29° E., 98 lks. dist., marked T41S R3W S20 BT
	A pinon, 16 ins. diam., bears S. $15\frac{1}{2}^{\circ}$ W., 82 lks. dist., marked T41S R3W S19 BT
	A pinon, 8 ins. diam., bears N. $8\frac{1}{2}^{\circ}$ W., 111 lks. dist., marked T41S R3W S18 BT
	Land, broken mountainous and rolling tops of mesa; abrupt N. and S. slopes; general exposure and drainage E. into large canyon, course SE.
	Soil, rocky in form of ledges and sandstone outcrops, with shallow, loose sandy loam; red sandstone formation.
	Timber, dense cedar and pinon.
	Undergrowth, scattering sage, service, yellow, and some oak brush. Fair grazing land on portions of the mile.

Subdivision of T. 41 S., R. 3 W.

Chains	
	East, on random line bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.12	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 16-17-20 and 21; thence N. $89^{\circ}57'$ W., on true line bet. secs. 17 and 20. Over rolling mesa, through dense timber and scattering undergrowth; gradually desc. W. slope.
36.65	Ravine, 35 ft. deep, and 140 ft. below sec. cor., course SW.; asc.
40.06	On gradual E. slope, 35 ft. above ravine. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S17 S20 1921
	from which
	A pinon, 8 ins. diam., bears N. $71\frac{1}{2}^{\circ}$ E., 50 lks. dist., marked $\frac{1}{4}$ S17 BT
	A pinon, 8 ins. diam., bears S. 55° W., 44 lks. dist., marked $\frac{1}{4}$ S20 BT
45.00	Top of raise on mesa, 10 ft. above $\frac{1}{2}$ cor., bears NE. and SW.; gradually desc. W. slope, 60 ft. to
60.75	Edge of mesa and E. rim of canyon, bears N. 30° W. and S. 30° E.; desc. abrupt, rocky W. slope, 310 ft. to
70.65	Base of slope and enter level canyon bottom with dense sagebrush, bears N. 30° W. and S. 20° E.; thence across level bottom.
75.55	Deer Spring Wash, $1\frac{1}{2}$ chs. wide, 20 ft. deep, vertical banks, dry, in bottom of canyon, course S. 20° E.
77.25	W. edge of bottom land, bears N. 20° W. and S. 20° E.; asc. abrupt, ledgy E. slope, 120 ft. to
80.12	The cor. of secs. 17-18-19 and 20. Land, rolling mesa and mountainous; drainage S. 20° E. Soil, deep, fine, loose sandy loam, with scattered sandrock outcrops, and rocky on canyon slopes. Timber, dense cedar and pinon, except in canyon bottom. Undergrowth, considerable sagebrush, with scattered

Subdivision of T. 41 S., R. 3 W.

Chains	
	yellow-top and oak brush. Good grazing land.
	N. $89^{\circ}51'$ W., on random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec: cor.
80.90	Intersect W. bdy. of tp., 5 lks. N. of cor. secs. 13-18-19 and 24, heretofore described; thence S. $89^{\circ}53'$ E., on true line bet. secs. 18 and 19.
	Over gently rolling mesa, having a slight NE. exposure, through scattering timber and dense, short undergrowth.
8.00	Leave all timber, bears N. and S.
13.00	Base of wide, shallow swale, 50 ft. below sec. cor., drains NE.; thence over nearly N. exposure.
40.90	On gentle N. slope. Set an iron post, 3 ft. long, 1 in. dia.; 26 ins. in the ground, for $\frac{1}{4}$ sec. cor.; with brass cap marked
	$\frac{1}{4}$ S18 $\frac{1}{4}$ S19
	1921
	dig pits, 18x18x12 ins.; E. and W. of post, 3 ft. dist.
66.50	W. rim of canyon, enter rocky land and scattering timber all bearing NE., and nearly E.; proceed along edge of rim, near top to
77.80	Desc. abruptly from top of rim, bearing NE. for 50 lks. thence W., and S., over sandstone ledges, 170 ft. to
80.90	The cor. of secs. 17-18-19 and 20. W. $66\frac{1}{2}$ chs. is gently rolling land having a general NE. exposure and drainage; soil, deep, loose sandy loam; covered with dense sagebrush and yellow-top; remainder of mile is abrupt, ledgy E. slope on W. side of canyon, rocky soil, red sandstone formation; scattered cedar and pinon.
	Good grazing land on mesa.
	N. $0^{\circ}03'$ W., bet. secs. 17 and 18.
	Over broken slope of canyon, through scattering timber and medium growth of undergrowth; desc. along abrupt,

Subdivision of T. 41 S., R. 3 W.

Chains	
4.55	ledge E. slope, 95 ft. to base of slope and leave timber and ledges, enter level bottom of canyon, through dense sagebrush, 3 to 5 ft. 5 ft. high, bears N.30°W. and S.30°E.
9.35	Right bank of Deer Spring Wash, 35 ft. high, vertical, bears N.30°W. and S.30°E.; thence up along bottom of the wash, 2 chs. wide, having a tiny seep, fair water, course S.30°E.
23.80	Right bank of wash, bears NE. and SW. thence through sage brush to
25.00	Right bank of wash, bears N.20°W. and S.20°E.; thence up along bottom of wash.
33.00	Leave wash, left bank, 25 ft. high, bears N.20°W. and S.20°E.; thence along E. edge of bottom land.
40.00	On gentle W. slope in E. edge of bottom land and 60 lks. E. of the left bank of wash. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S18 S17 1921
46.50	from which A cedar, 7 ins. diam., bears S.30°E., 6 lks. dist., marked $\frac{1}{4}$ S17' BT and raise a small mound of stone, W. of cor. No other bearing tree available. Leave bottom land and dense sagebrush; enter medium dense timber and broken land, bears N.20°W. and S.20°E.; asc. along broken, rocky W. slope, 150 ft. to
55.70	Top of 30 ft. rim ledge and E. rim of the canyon, bears N.30°W. and S.30°E.; thence over rolling mesa land: Note: a small corral bears S.83°W., about 20 chs. dist. on W. side of the canyon.
66.85	Small gulch, 60 ft. deep, course S.60°W.
80.00	On a slight S. slope, 70 ft. above the gulch. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 708017 and 18, with brass

Subdivision of T. 41 S., R. 3 W.

Chains

cap marked

T41S	R3W
S7	S8
S18	S17

1921

from which

A cedar, 14 ins. diam., bears N. 36° E., 326 lks.
dist., marked T41S R3W S8 BTA cedar, 18 ins. diam., bears S. 62 $\frac{1}{2}$ ° E., 237 lks.
dist., marked T41S R3W S17 BTA cedar, 8 ins. diam., bears S. 58° W., 480 lks.
dist., marked T41S R3W S18 BTA cedar, 20 ins. diam., bears N. 15 $\frac{1}{4}$ ° W., 468 lks.
dist., marked T41S R3W S7 BTLand, rolling and broken, and level canyon bottom;
drainage into Deer Spring Wash., course S. 30° E.Soil, fine, loose sandy loam, and rocky; sandstone
formation.Timber, medium dense to scattering cedar and pinon, except
in canyon bottom.

Undergrowth, considerable sagebrush, and yellow-top.

Good grazing land on greater portion of the mile.

S. 89°57' E., on random line bet. secs. 18 and 17.

40.00

Set temp. $\frac{1}{4}$ sec. cor. line 18-17, elev. 105 ft. above ground.

80:10

Intersect N. and S. line, .2 lks. N. of the cor. secs.

869-16 and 17; thence

N. 89°56' W., on true line bet. secs. 8 and 17.

Over rolling mesa land, through scattering timber and
medium dense undergrowth; gradually asc. NE. slope.

16.00

Top of wide rolling ridge, 80 ft. above sec. cor., bears
N. and S. 30° W.; gradually desc. W. and NW. slopes.

40.05

On gradual NW. slope, 105 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S8	$\frac{1}{4}$	S17
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1921

from which

A cedar, 14 ins. diam., bears S. 89° E., 467 lks.
dist., marked $\frac{1}{4}$ S17 BTA cedar, 20 ins. diam., bears N. 81 $\frac{1}{2}$ ° W., 138 lks.
dist., marked $\frac{1}{4}$ S8 BT

Subdivision of T. 41 S., R. 3 W.

Chains

59.40	Base of wide, shallow swale, 50 ft. below $\frac{1}{4}$ cor., drains SW.; thence over general SW. exposure.
80.10	The cor. of secs. 7-8-17 and 18. Land, rolling mesa; E. and W. exposures. Soil, deep, fine, loose sandy loam. Timber, scattering cedar and pinon. Undergrowth, medium dense sage, yellow-top and brigham-tea brush. Good grazing land.
	N. $89^{\circ}53'$ W., on random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec.. cor.
80.88	Intersect W. bdy. of tp., at the cor.. of secs. 7-12-13 and 18, heretofore described; thence S. $89^{\circ}53'$ E., on true line bet. secs. 7 and 18. Over rolling mesa land, facing NE., through dense under-growth.
19.00	Enter medium dense timber, bears N. and S.
34.00	Top of ridge, 20 ft. above sec. cor., bears NE. and SW.; desc. along a rough S. and SE. slopes.
40.88	On a SE. slope, 60 ft. below ridge. Set an iron post, 3 ft.. long,.1 in. dia., 12 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked..
	$\frac{1}{4}$ S7 $\frac{1}{4}$ S18
	1921
	from which
	A cedar, 8 ins.diam.,bears N. $57\frac{1}{2}$ E., 75 lks. dist.,marked $\frac{1}{4}$ S7 BT
	A cedar, 8 ins.diam.,bears S. 58° W., 53 lks. dist.,marked $\frac{1}{4}$ S18 BT
50.00	Base of slope and leave timber, enter nearly level canyon bottom and dense sagebrush, 100 ft. below $\frac{1}{4}$ cor., bears N. 10° W. and S. 30° E.
57.10	Deer Spring Wash, 2 chs. wide, 12 ft. deep, in canyon, course S. 20° E.
62.25	Leave canyon bottom and base.of 50 ft. sandstone ledge,

Subdivision of T. 41 S., R. 3 W.

Chains	
	bears N.20°W. and S.20°E.; thence over broken and rolling land facing SW., through scattering timber.
80.88	The cor. of secs. 7-8-17 and 18, 130 ft. above canyon. Land, rolling and level; general E. and W. exposures; drainage S.
	Soil, loose sandy loam, with scattered sandstone outcrops along canyon slopes.
	Timber, scattering cedar and pinon, on portions of mile.
	Undergrowth, medium dense sagebrush.
	Good grazing land.

	N. 0°03' W., bet. secs. 7 and 8.
	Over rolling land, through scattering timber and medium dense undergrowth; gradually asc. S. slope, 35 ft. to
9.70	Top of raise, bears NE. and S.70°W.; desc. 40 ft. to
39.00	Swale, drains SW.; asc.
40.00	On gradual S. slope, 15 ft. above swale.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S7 S8 1921
	from which
	A cedar, 8 ins. diam., bears N.74 $\frac{3}{4}$ °E., 91 lks. dist., marked $\frac{1}{4}$ S8/BT
	A cedar, 14 ins. diam., bears S.31 $\frac{1}{4}$ °W., 51 lks. dist., marked $\frac{1}{4}$ S7/BT
48.10	Top of raise, 40 ft. above $\frac{1}{4}$ cor., bears NE. and SW.; thence along nearly W. slope, desc. 20 ft. to
80.00	On a gradual W. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for the cor. of secs. 5-6-7 and 8, with brass cap marked
	T41S | R3W S6 S5 -----| S7 S8 1921
	from which

Subdivision of T. 41 S., R. 3 W.

Chains

	A cedar, 8 ins. diam., bears N. $21\frac{1}{2}^{\circ}$ E., 24 lks. dist., marked T41S R3W S5 BT
	A cedar, 8 ins. diam., bears S. $30\frac{1}{2}^{\circ}$ E., 109 lks. dist., marked T41S R3W S8 BT
	A cedar, 14 ins. diam., bears S. 44° W., 229 lks. dist., marked T41S R3W S7 BT
	A cedar, 10 ins. diam., bears N. $72\frac{1}{2}^{\circ}$ W., 132 lks. dist., marked T41S R3W S6 BT
	Land, rolling with general SW. exposure and drainage. Soil, loose, sandy loam.
	Timber, scattered cedar and pinon.
	Undergrowth, dense sagebrush. Good grazing land.
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	S. $89^{\circ}56'$ E., on random line bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 2 lks. N. of cor. secs. 4-5-8 and 9; thence
	N. $89^{\circ}55'$ W., on true line bet. secs. 5 and 8.
	Over rolling land, through scattering timber and dense short undergrowth; gradually asc. rolling NE. slope.
34.50	Ridge, bears N. 30° W. and S.; gradually desc. NW. and W. slopes.
40.04	On gradual NW. slope, 25 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<u>$\frac{1}{4}$ S5</u> <u>$\frac{1}{4}$ S8</u>
	1921
	from which
	A cedar, 8 ins. diam., bears S. $71\frac{1}{2}^{\circ}$ E., 160 lks. dist., marked $\frac{1}{4}$ S8 BT
	A cedar, 5 ins. diam., bears N. 50° E., 269 lks. dist., marked $\frac{1}{4}$ S5 BT
61.50	Swale, 60 ft. below $\frac{1}{4}$ cor., course SW.; asc. 35 ft. to
69.00	Low spur, projects SW.; desc. W. slope, 60 ft. to
80.08	The cor. of secs. 5-6-7 and 8.
	Land, rolling; E. and SW. exposures and drainage. Soil, deep, loose sandy loam, few scattered sandrock outcrops; sandstone formation.
	Timber, scattering cedar and pinon.
	Undergrowth, dense sagebrush. Good grazing land.
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Subdivision of T. 41 S., R. 3 W.

Chains

- N. $89^{\circ}53'$ W., on random line bet. secs. 6 and 7.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.80 Intersect W. bdy. of tp., 5 lks. N. of cor. secs. 1-6-7 and 12, heretofore described; thence S. $89^{\circ}55'$ E., on true line bet. secs. 6 and 7.
- Over rolling land, through scattering timber and dense, short undergrowth; desc. E. slope, 50 ft. to
- 6.00 Enter level canyon bottom, bears NW. and S. 20° E.
- 7.50 Deer Spring Wash, 2 chs. wide, 10 ft. deep, dry, course S. 20° E.
- 14.30 E. edge of bottom land, bears N. 30° W. and S. 30° E.: asc. over rolling land facing SW., through scattering timber
- 39.20 Top of sand spur, 150 ft. above wash, projects SW.; desc
- 40.80 On gradual E. slope.
- Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
 $\frac{1}{4}$ ————— S6
 $\frac{1}{4}$ ————— S7
- 1921
- from which
- A pinon, 8 ins. diam., bears S. 66° W., 48 lks. dist., marked $\frac{1}{4}$ S7 BT
- A pinon, 8 ins. diam., bears N. 73° W., 133 lks. dist., marked $\frac{1}{4}$ S6 BT
- 57.65 Swale, 90 ft. below $\frac{1}{4}$ cor., drains SW.: gradually asc.
- 64.70 Top of raise, 30 ft. above swale, bears SW. and NE.; desc
- 78.00 Swale, 30 ft. below raise, drains SW.; asc. 10 ft. to
- 80.80 The cor. of secs. 5-6-7 and 8.
- Land, rolling, with S. and SW. exposure and drainage.
- Soil, loose sandy loam, some scattered sandstone outcrops; red and white sandstone formation.
- Timber, scattering cedar and pinon, on most of mile.
- Undergrowth, dense sagebrush. Good grazing land.
-
- N. $0^{\circ}03'$ W., on true line bet. secs. 5 and 6.
- Over rolling land facing SW., through scattering timber and dense short undergrowth.

Subdivision of T. 41 S., R. 3 W.

Chains

4.50	Swale, 10 ft. below sec. cor., course SW.
35.00	Head of wide, shallow swale, drains SW.; gradually asc.
40.00	On a slight E. slope, 75 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S6 | S5 1921
	from which A cedar, 5 ins. diam., bears N. $29\frac{1}{2}^{\circ}$ E., 98 lks. dist., marked $\frac{1}{4}$ S5 BT A cedar, 4 ins. diam., bears N. 2° W., 129 lks. dist., marked only BT
61.00	Top of ridge, bears E. and W., 140 ft. above $\frac{1}{4}$ cor.; thence along more broken land, facing E.
77.46	Head of draw, 40 ft. deep, course SE.
84.92	Intersect the 8th standard parallel south, 4.86 chs., West, from the standard $\frac{1}{4}$ cor. on S. bdy. sec. 32, which is a sandstone, 18x12x 6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. At point of intersection, I Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in the ground to bedrock, and in a mound of stone, for closing cor. of secs. 5 and 6, with brass cap marked T40S R3W S32 S6 | S5 T41S R3W CC 1921
	from which A pinon, 8 ins. diam., bears S. 73° E., 186 lks. dist., marked T41S R3W S5 CC BT A cedar, 5 ins. diam., bears S. $65\frac{1}{2}^{\circ}$ W., 53 lks. dist., marked (only) CC BT
	Land, rolling and broken; general exposure and drainage to SW. on S. 61 chs. and to SE. on remainder of mile. Soil, loose sandy loam, with scattered outcroppings of sandsrock; white sandstone formation. Timber, scattering cedar and pinon. Undergrowth, dense sagebrush. Good grazing land.

Boundaries of T. 41 S., R. 3 W.

Latitudes, departures, and closing errors.

Line Designated	True bearing	Dist- ances Chs.	Latitudes		Departures	
			N. Chs.	S. Chs.	E. Chs.	W. Chs.
W. Bdy. of Tp.	South	484.84		484.84		
S. Bdy. of Tp.	East	480.97			480.97	
E. Bdy. of Tp.	North	484.73	484.73			
8th St. Par. S.	West	480.13			480.13	
Convergency			484.73	484.84	480.97	480.68
				484.73	480.68	.55
Error in lat.				0.11		
Error in dep.					0.29	

General Description of T. 41 S., R. 3 W.

This township in general lies on a broken mesa or plateau, immediately to the south of the White Cliffs, and extending into, and through the Vermillion Cliffs. The lands can be classed from rolling and broken mesa to rough mountainous. The mountainous lands being the breaks of the canyons and gulches. The elevation is approximately 5500 to 6000 ft. above sea level. It has a general southern exposure and drainage into the Buckskin Wash, with the exception of the extreme north-east portion which drains north-easterly into Kitchen Canyon, thence into Paria River; and the extreme south-east portion which drains south-east towards the Paria River.

Buckskin Wash, in a canyon from 100 to 600 ft. deep, drains southerly through the central portion of the township, entering in sec. 4, and crossing the S. bdy. in sec. 34. Deer Spring Wash, in bottom of deep canyon, drains south-easterly, enters in W. bdy. of sec. 6, and joins the Buckskin Wash in sec. 33. Numerous branch canyons and gulches, cutting through the mesa to a maximum depth of 600 ft. enter these two main canyons.

General Description of T. 41 S., R. 3 W.

The soil on the mesa lands is principally a deep, loose, fine sandy loam and sand, with occasional outcroppings of sandstone; the rough canyon slopes are generally rocky in form of ledges and outcrops with a shallow, loose sandy loam and sand, and some clay. Deep, fine sandy loam is found in the canyon bottoms. The formation is red sandstone, except in the extreme northern portion which is white sandstone.

The township is covered in general with a medium growth of scrub cedar and pinon pine timber, of no commercial value, other than for posts and fire wood; and under-growth of medium dense black sagebrush, and yellow-top, and scattering oak and service brush.

The only water in this township is a few small seeps which rise in the bottoms of Deer Spring and Buckskin Washes, flowing for only short distances; and small springs as follows: Kitchen Corral Spring in SW $\frac{1}{4}$ of NW $\frac{1}{4}$ of sec. 27. This spring has been developed by two tunnels of 20 and 35 ft., water sinking within 100 ft. of head. Small spring of good water in SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of sec. 22, flows for about 400 ft.

Elmer Brown, the only settler in the township, has a small lumber cabin, 10x12 ft. located in the NW $\frac{1}{4}$ of SW $\frac{1}{4}$ of sec. 34; small corral, and about $\frac{1}{2}$ acre cultivated and into garden. Has developed a very small seep, alkaline water, sufficient for culinary use. No indications of oil, mineral or coal were noticed in the township.

The average magnetic declination is 15°30' E. The township is valuable chiefly for grazing purposes.

Andrew Nelson

Andrew Nelson, U.S. Cadastral Engineer.

BOOK A-453

4-650

FIELD ASSISTANTS.

NAME.	CAPACITY
Spauld, Harry	Pond, Chairman
Taylor, Rock	Kerry, Chairman
Wade, Harold	Hayman
Weld, Ernest	Correspondent

CERTIFICATE OF UNITED STATES SURVEYOR Cadastral E

I, Andrew Nelson, U.S. Cadastral Engineer, ~~Examiner~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah, bearing date of the 4th day of June, 1918, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Retracement of portion of the 8th Standard Parallel South, through range 3 West; Survey of the West Boundary and Subdivision of T. 41 S., R. 3 W.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction, and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Salt Lake City, Utah
March 15, 1922.

Andrew Nelson
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

January 27, 1923

The foregoing field notes of the survey of Retracement of portion of 8th Standard Parallel South, through Range 3 West, and survey of west boundary and subdivision of Township 41 South, Range 3 West of the Salt Lake Base and Meridian

executed by Andrew Nelson, U.S. Cadastral Engineer

under ~~xx~~ special instructions dated June 4, 1918, ~~xx~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

E. D. Duncanson
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

BOOK A-453

E

FIELD NOTES

RE
OF THE SURVEY OF THE

SOUTH BOUNDARY;

RESURVEY AND SURVEY OF THE WEST BOUNDARY OR FIRST GUIDE MERIDIAN EAST;

SURVEY OF PORTIONS OF EAST AND NORTH BOUNDARIES;

AND

SURVEY OF PORTION OF THE SUBDIVISION

OF

TOWNSHIP NO. 28 SOUTH, RANGE NO. 5 EAST.

Of the SALT LAKE BASE AND Meridian,

In the State of UTAH

EXECUTED BY

ELLIOT BIRD

In the capacity of U. S. Surveyor, under Special Instructions dated January 16, 1919,
issued by the United States Surveyor General to govern surveys included in Group
No. 78, which were approved by the Commissioner of the General Land
Office, February 15, 1919, and Assignment Instructions dated November 5, 1919
and Supplemental Assignment Instructions dated May 3, 1920, and June 2
1921, respectively.

Survey commenced November 30, 1920, 1920

Survey completed August 18, 1921, 1921

INDEX DIAGRAM.

Township 28 South, Range 5 East.
21 22 23 24 25 26

T. 28 S., R. 5 E.

Date Diagram of T. 28 S., R. 5 E.

7-3-21	7-12-21	7-13-21	7-14-21	7-14-21
8-4-21	8-4-21	8-4-21	8-4-21	8-4-21
6	5	4	3	2
7-9-21	7-11-21	7-19-21	7-15-21	
7	8	9	10	11
7-6-21	7-20-21	7-22-21	7-21-21	
18	17	16	15	14
7-5-21	7-25-21	7-26-21	7-28-21	7-28-21
19	20	21	22	23
6-23-21	6-29-21	8-1-21	8-16-21	8-16-21
30	29	28	27	26
12-1-21	12-3-21	8-2-21	8-13-21	8-12-21
31	32	33	34	35
11-30-21	12-2-21	12-2-21	8-5-21	8-10-21
				8-8-21
				8-8-21

Survey commenced November 30, 1921, and executed with Young and Sons light mountain transit No. 8531. Instrument is equipt with Smith Solar attachment and full vertical circle. The horizontal limb is provided with two double verniers, placed opposite each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for district No. 6, conditional upon satisfactory field tests; in assignment instructions dated November 5, 1919, and supplemental assignment instructions dated May 3, 1920, and June 2, 1921.

I examine the adjustments of the instrument and correct the level and collimation errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observation made on Polaris I proceed as follows.

November 19, 1920: At my camp, situated in the SW. $\frac{1}{4}$ of sec. 7, T. 28 S., R. 5 E., approximate latitude $38^{\circ}18'$ N longitude $111^{\circ}27'$ W.; At 3h 38m a.m. l.m.t., I observe Polaris at western elongation with the telescope in direct and reversed positions and mark the line thus determined by a tack in a stake, firmly driven in the ground, 10.00 chs. to the N. of my station.

At 8h 30m a.m. app. t.; I lay off the azimuth of Polaris which is $1^{\circ}25'$ to the east, and mark the line thus determined, by a tack in a stake firmly driven in the ground, 10.00 chs. N. of my station.

At 9h 00m a.m. app. t.; with the transit in the meridian, I set off $38^{\circ}18'$ N., on the latitude arc, $19^{\circ}28'$ S., on the declination arc, and determine a meridian with the solar which I find agrees with the true meridian.

At app. noon, I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the Sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude	$32^{\circ}08'$
Reduced latitude	$38^{\circ}18'$
Mean watch time of observation	11h 40m a.m.
Watch slow of l.m.t. 5m	28s

At app. noon, with the instrument in the meridian and the latitude arc unchanged, I find the reading of the declination arc to be $19^{\circ}31'$ S., which agrees with the computed declination of the sun.

At 3h 00m p.m. app. t., with the latitude arc unchanged, I set off $19^{\circ}32'$ S., on the declination arc, and

T. 28 S., R. 5 E.

determine a meridian with the solar, which I find agrees with the true meridian. As all the solar observations made during the usual hours of solar work, come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

The instrument was kept in good adjustment throughout the progress of this survey, frequent tests being made on the meridian determined by observations on Polaris.

June 18, 1921: At my camp, situated in S. $\frac{1}{2}$ of sec. 36, T. 28 S., R. 4 E., approximate latitude $38^{\circ}20'$ N., longitude $111^{\circ}27'$ W.; At 1h 51.9m a.m. l.m.t., I observe Polaris at eastern elongation with the telescope in direct and reversed positions and mark the line thus determined by a tack in a stake firmly driven in the ground, 10.00 chs. to the N. of my station.

At 7h 00m a.m. app. t., I lay off the azimuth of Polaris which is $1^{\circ}25'30''$ to the W., and mark the line thus determined by a tack in a stake, firmly driven in the ground, 10 chs. N. of my station.

At 9h 30m a.m. app. t., with the instrument in the meridian, I set off $38^{\circ}20'$ N., on the latitude arc, $23^{\circ}24'$ N.; on the declination arc, and determine a meridian with the solar which I find agrees with the true meridian.

At app. noon, I make a meridian observation of the sun for time and latitude, observing simultaneously, the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude $75^{\circ}05'$

Reduced latitude $38^{\circ}20'$ ✓

Mean watch time of observation 12h 00m

Watch slow of l.m.t. 1m 29s

At app. noon with the instrument in the meridian and the latitude arc unchanged, I find the reading of the declination arc to be $23^{\circ}24'30''$ N., which agrees with the computed declination of the sun.

At 3h 00m p.m. app. t., with the latitude arc unchanged, I set off $23^{\circ}24'30''$ N., on the declination arc and determine a meridian with the solar, which I find agrees with the true meridian.

As all the solar observations made during the usual hours of solar work, come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

The instrument was kept in good adjustment throughout the progress of this survey, frequent tests being made on the meridian determined by observations on Polaris.

At the completion of the survey of this township, I make a final test of the instrument as follows.

August 18, 1921: With the instrument in the meridian obtained by observations on Polaris on June 18, 1921, I set off $38^{\circ}20'$ N. on the latitude arc, $13^{\circ}3'$ N. on the declination arc, and at 9h 30m a.m. app. t., I determine a meridian with the solar, which I find agrees with the true meridian.

At app. noon with the latitude arc unchanged and the instrument in the meridian, I find the reading of the declination arc to be $13^{\circ}6'30''$ N., which agrees with the computed declination of the sun.

At 4h 00m p.m. app. t., with the instrument in the meridian and the latitude arc unchanged, I set off $13^{\circ}03'$ N. on the declination arc and determine a meridian with the solar which I find agrees with the true meridian.

As all the solar observations made during the usual hours of solar work, come within 1' of the true meridian I conclude that the instrument is in good adjustment.

Measurements.

Unless otherwise specified, all measurements are made with Lallie steel ribbon tapes, five and eighth chains in length, compared with a Lufkin standard steel tape 1 chain in length and found correct.

Resurvey of the S. bdy. of T. 28 S., R. 5 E.

Chains

The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of the S. bdy. of T. 28 S., R. 5 E.

Preliminary to commencing the survey of this township, I find that on account of high inaccessible sandstone ledges and deep box canyons, that it will be impracticable to survey the N. 5 miles of the E. bdy., the E. $1\frac{1}{2}$ miles of the N. bdy., and the subdivisional lines bet. secs. 1 and 2, 2 and 3, 3 and 10, 2 and 11, 1 and 12, 12 and 13, 11 and 14, 10 and 15, 14 and 15, 13 and 14, 13 and 24, and 24 and 25. Thence,

From the cor. Ts. 28 and 29 S., Rs. 4 and 5 E., which is a granite, $12 \times 6 \times 24$ ins. above ground, firmly set, marked with 6 notches on N., S., E. and W. edges, unwitnessed; alongside of which,

Set an iron post, 3 ft. long, 3 ins. dia., 12 ins. in the ground to bed rock and in a mound of stone, for cor.

Ts. 28 and 29 S., Rs. 4 and 5 E., with brass cap marked.

T28S

R4E | R5E

S36 | S31

S1 | S6

T29S

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Thence,

East, on a retracement line bet. secs. 6 and 31.

38.86 Record course and dist., find no trace of the $\frac{1}{4}$ sec. cor.

Continue E. on same line with continuous measurement.

80.00 Fall 21 lks. S. of the cor. secs. 5, 6, 31 and 32, which is a granite, $8 \times 10 \times 8$ ins. above ground, firmly set, marked with 5 grooves on E. face and 1 groove on W. face, unwitnessed, alongside of which,

Resurvey of the S. bdy. of T. 28 S., R. 5 E.

Chains

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 5, 6, 31 and 32, with brass cap marked,

T28S	R5E
S31	S32
S6 S5	
T29S	
1921	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The bearing of this mile is therefore N. $89^{\circ}51'$ E. and the dist. is 80.00 chs.

Thence,

From the cor. Ts. 28 and 29 S., Rs. 4 and 5 E.

N. $89^{\circ}51'$ E., on a resurvey line bet. secs. 6 and 31.

Descend gradually over rolling land through scattering undergrowth of sagebrush, shadscale and greasewood.

7.80 Draw, 30 ft. deep, with small stream of alkali water in bottom, drains N. 80° E.; continue gradual descent.

12.30 Barbed wire fence, bears N. 85° W. and S. 85° E.

17.60 Small seep of alkali water, drains S. 80° E.

38.70 Wash, 75 lks. wide, 15 ft. deep, with small stream of alkali water in bottom, drains N. 80° E.; thence in wash.

39.42 Proportionate measurement; point for the $\frac{1}{4}$ sec. cor. sec. 6, falls in bottom of wash; no cor. set.

40.00 On S. bank of wash, bears N. 80° E. and S. 80° W.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 31, and the witness cor. to the $\frac{1}{4}$ sec. cor. sec. 6, with brass cap marked.

$\frac{1}{4}$ S31

WC $\frac{1}{4}$ S6

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

41.10 Barbed wire fence, bears N. and S., also enter cultivated land, bears N. 1.00 ch. and S. 15.00 chs.

59.20 Leave cultivated land, bears N. 1.00 ch. and S. 15.00 chs.

80.00 The cor. secs. 5, 6, 31 and 32.

Resurvey of the S. bdy. of T. 28 S., R. 5 E.

Chains	
	Land, rolling, with a general northeasterly exposure and drainage.
	Soil, deep, sandy, loam.
	Undergrowth, scattering sagebrush, shadscale and greasewood.
	No timber.
	Fair grazing on all of mile.
	East, on a resurvey line bet. secs. 5 and 32.
	Descend gradually over rolling land through scattering undergrowth of sagebrush, shadscale and greasewood.
15.20	Small stream of alkali water, 10 lks. wide, 3 ins. deep, in bottom of wash, 50 lks. wide, 15 ft. deep, drains N., 80° E.
19.70	Barb wire fence, bears N. and S.
40.17	Fall 8 lks. S. of the $\frac{1}{4}$ sec. cor. secs. 5 and 32, which is a granite, 8 x 8 x 8 ins. above ground, firmly set, marked $\frac{1}{4}$ on N. face, unwitnessed; alongside of which. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	<u>S32</u> <u>$\frac{1}{4}$</u> S5 1921
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. The bearing of this half mile is therefore N. $89^{\circ}53'$ E., and the dist. is 40.17 chs.
	Continue E. on same line with continuous measurement.
41.30	Same stream and wash as that at the 15.20 chs. point, drains S. 70° E.
46.50	Same stream and wash, drains N. 80° E.
61.10	Barb wire fence, bears N. and S.
70.40	Same stream and wash, drains S. 80° E.
75.00	Same stream and wash, drains N. 80° E.
79.00	Same stream and wash, drains S. 70° E.
80.29	Fall 12 lks. S. of the cor. secs. 4, 5, 32 and 33, hereto-

Resurvey of the S. bdy. of T. 28 S., R. 5 E.

Chains	<p>fore described in the notes that pertain to the survey of T. 29 S., R. 5 E.</p> <p>The bearing of this half mile is therefore N. $89^{\circ}57'$ E., and the dist. is 40.12 chs.</p> <p>Land, rolling, with a general easterly exposure and drainage.</p> <p>Soil, deep, sandy, loam.</p> <p>Undergrowth, scattering sagebrush, shadscale and greesewood.</p> <p>No timber.</p> <p>Fair grazing on all of mile.</p>						
	<p>The line to the E. of this cor., was run during the survey of T. 29 S., Rs. 5 and 6 E., of this group, and cors. set for these two townships only; the notes of which contain full cor. descriptions and topography. Therefore, East, along the S. bdy. sec. 33, setting cors. at intervals of 40.00 chs. for T. 28 S., R. 5 E.</p>						
7.62	The cor. secs. 3 and 4.						
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 33, with brass cap marked.						
	<u>$\frac{1}{4}$ S33</u>						
	1921						
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.						
47.62	The $\frac{1}{4}$ sec. cor. sec. 3.						
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 33 and 34, with brass cap marked.						
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T28S</td><td>R5E</td></tr> <tr> <td>S33</td><td>S34</td></tr> <tr> <td colspan="2">T29S R5E</td></tr> </table> 1921	T28S	R5E	S33	S34	T29S R5E	
T28S	R5E						
S33	S34						
T29S R5E							
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.						
	East, along the S. bdy. sec. 34.						
7.62	The cor. secs. 2 and 3.						

Resurvey of the S. bdy. Twp 28 S., R. 5 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 34, with brass cap marked,
 $\frac{1}{4}$ S34

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

47.62 The $\frac{1}{4}$ sec. cor. sec. 2.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 34 and 35, with brass cap marked.

T28S	R5E
S34	S35
T29S R5E	
S 2	
1921	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

East, along the S. bdy. sec. 35.

7.62 The cor. secs. 1 and 2.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 35, with brass cap marked.

$\frac{1}{4}$ S35

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

47.62 The $\frac{1}{4}$ sec. cor. sec. 1.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 35 and 36, with brass cap marked.

T28S	R5E
S35	S36
T29S R5E	
S 1	
1921	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

East, along the S. bdy. sec. 36.

7.62 The C.C.T. 29 S., Rs. 5 and 6 E.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 36, with brass cap marked.

Resurvey of the S. bdy. T. 28 S., R. 5 E.

Chains	<u>$\frac{1}{4}$ S36</u>
	1921
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
47.62	The $\frac{1}{4}$ sec. cor. sec. 6, T. 29 S., R. 6 E.
72.62	Base of perpendicular sandstone ledge, 500 ft. high, bears NW. and SE.: To pass ledge, I offset as follows. South, 10.00 chs. East, 7.38 chs. North, 6.00 chs. to a point at base of said ledge and point, 4.00 chs. S., of the true point for cor. T. 28 S., Rs. 5 and 6 E.: At this point,
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for witness cor.; to the cor. T. 29 S., Rs. 5 and 6 E., with brass cap marked.
	WC T28S R5E|R6E S36|S31
	1921
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

1921

Survey and Resurvey of the W. bdy. T. 28 S., R. 5 E.
or First Guide Meridian East.

From the cor. Ts. 28 and 29 S., Rs. 4 and 5 E., heretofore in these notes described, N. $0^{\circ}10'$ E., on a resurvey line bet. secs. 31 and 36, to a visible signal left at the witness cor. to the $\frac{1}{4}$ sec. cor. secs. 31 and 36.
Ascend gradually over rolling land through scattering undergrowth of sagebrush, shadscale and greasewood.
.05 Barb wire fence, bears E. and W.
5.20 Wash, 50 lks. wide, 10 ft. deep, drains S. 80° E.
7.80 Enter alfalfa field, bears E. and W.
13.50 Leave alfalfa field, bears E. and W.
21.50 Base of abrupt ascent over broken sandstone ledges, bears E. and W.

Survey and Resurvey of the W. bdy. T. 28 S., R. 5 E.
or First Guide Meridian East.

Chains	
28.30	Top of abrupt ascent, 325 ft. above base, bears E. and W.; ascend gradually.
32.70	Head of draw, 40 ft. above top of abrupt ascent, drains S. 70° W.; continue gradual ascent.
40.00	On gentle, broken, S. slope. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bed rock, and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked.
	S36 | S31 1321
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
42.00	Ascent becomes more abrupt, bears E. and W.
43.05	The witness cor. to the $\frac{1}{2}$ sec. cor. secs. 31 and 36, which is a sandstone, 12 x 12 x 24 ins. above a mound of stone, firmly set, marked with A WC on W. face, unwitnessed. As this witness $\frac{1}{2}$ sec. cor., now becomes an angle point, I mark same with A P, on W. face.
	Thence, N., with continuous measurement:
43.20	East point of sandstone ledge, 165 ft. above head of draw; descend abruptly.
47.00	Base of abrupt descent, 110 ft. below top, bears NW. and SE.; descend gradually.
56.20	South rim of box gulch, 65 ft. below base of abrupt descent, bears NW. and SE.; descend abruptly.
72.10	Bottom of box gulch, 150 ft. below S. rim, drains S. 70° E.; ascend abruptly.
80.00	On steep S. slope of box gulch; fall 10 lbs. E. of the cor. secs. 25, 30, 31 and 36, which is a sandstone, 10 x 10 x 12 ins. above a mound of stone, firmly set, marked with 5 notches on N. edge and 1 notch of S. edge, unwitnessed; alongside of which, Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in the ground to bed rock and in a large mound of stone, for cor. secs. 25, 30, 31 and 36, with brass cap marked.

Survey and Resurvey of the W. bdy. of T. 28 S., R. 5 E.,
or First Guide Meridian East.

Chains

T28S	
R4E	R5E
S25	S30
S36	S31

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The bearing of this line N. from the witness $\frac{1}{4}$ sec. cor., is therefore N. $0^{\circ}03'$ W.; and the dist. is 36.95 chs. Land, broken by sandstone ledges, with a general easterly exposure and drainage. Soil, deep, sandy, loam on S. 20.00 chs., sandstone ledges remainder of mile. Undergrowth, scattering sagebrush, shadscale and greasewood. No timber. Fair grazing.

North, on a resurvey line bet. secs. 25 and 30.

Ascend abruptly over broken sandstone ledges through scattering undergrowth of shadscale.

3.50 Top of N. rim of box gulch, 165 ft. above sec. cor., bears NW. and SE.; ascend gradually.

11.40 South rim of Red Hollow, 75 ft. above N. rim of box gulch, bears NW. and SE.; descend abruptly.

16.10 Small stream of good water, 4 lks. wide, 3 ins. deep, heads NW., 1.50 chs. dist., drains SE.

24.00 Bottom of Red Hollow, 240 ft. below S. rim, drains SE.; ascend abruptly.

29.40 North rim of Red Hollow, 250 ft. above bottom, bears NW. and SE.; ascend gradually.

30.00 Enter scattering scrub cedar and pinon timber, bears NW. and SE.

40.00 On gentle S. slope, 130 ft. above N. rim of Red Hollow; find no trace of the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked,

1	
S25	S30

1921

Survey of the W. bdy. of T. 28 S., R. 5 E.
or First Guide Meridian East.

Chains	<p>From which,</p> <p>A pinon, 5 ins. dia., bears N. 15° E., 82 lks. dist., marked T 30 ET.</p> <p>No bearing tree to the W. available.</p> <p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Thence, N., with continuous measurement. (New work.)</p>
41.30	Ridge which forms the divide bet. Red Hollow and Sulphur Creek, 35 ft. above the sec. cor., bears N. 80° W., and S. 80° E.; descend abruptly.
42.00	Sandstone ledge, 30 ft. high, bears NW. and SE.
48.50	Sulphur Creek, stream of alkali water, 10 lks. wide, 3 ins. deep, in gulch, 240 ft. below ridge, drains SE.; ascend abruptly.
50.00	Point of spur, 20 ft. above creek, projects E.; continue abrupt ascent.
66.40	Sandstone ledge, 40 ft. high, bears NW. and SE.
66.60	Ridge, 320 ft. above Sulphur Creek, bears NW. and SE.; descend abruptly.
76.00	Head of draw, 100 ft. below ridge, drains SW.; ascend gradually.
80.00	On rolling land, at base of main ledge of Capitol Reef Cliffs, 100 ft. above head of draw. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 19, 24, 25 and 30, with brass cap marked,

T28S	
R4E	R5E
S24	S19
S25	S30

1921

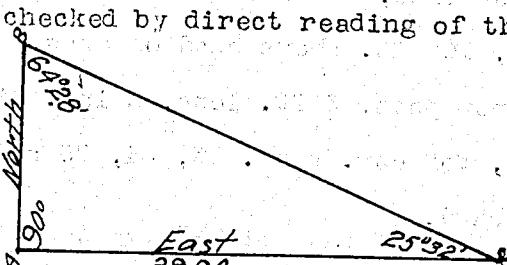
From which,

A cedar, 10 ins. dia., bears NE., 21 lks. dist., marked T28S R5E S19 BT.

A pinon, 6 ins. dia., bears S. 44° E., 35 lks. dist., marked T28S R5E S30 BT.

A pinon, 10 ins. dia., bears S. 64° W., 84 lks. dist., marked T28S R4E S25 BT.

Survey of the W. bdy. of T. 28 S., R. 5 E.
or First Guide Meridian East.

Chains	<p>A pinon, 8 ins. dia., bears N. 65° W., 32 lks. dist., marked T28S R4E S24 BT.</p> <p>Land, broken by sandstone ledges and deep hollows, with a general southeasterly exposure and drainage.</p> <p>Soil, shallow, red, sandy, loam; mixed with loose sandstone lying on sandstone bed rock.</p> <p>Undergrowth, scattering shadscale.</p> <p>Timber, scattering scrub cedar and pinon on N. 50.00 chs.; none on remainder of mile.</p> <p>Fair grazing.</p>
	<p>North, bet. secs. 19 and 24., through scattering cedar and pinon timber and scattering undergrowth of shadscale. The line N. of the cor. secs. 19, 24, 25 and 30, passes over high inaccessible sandstone ledges, which make chaining impracticable; I therefore determine the dist. by triangulation as follows. Erect flag "A" at sec. cor., and flag "B" on line N. at top of ledges. From flag "A", run a base line E., 39.90 chs. and erect flag "C". From flag "C", flag "B" subtends an angle of $25^{\circ}32'$ from flag "A". All angles checked by deflection, and all bearings checked by direct reading of the solar.</p> 
	<p>Distance by triangulation 19.06 chs.</p> <p>Approximate topography bet. points of triangulation.</p>
9.00	<p>Top of main ledge of the Capitol Reef Cliffs, 300 ft. above sec. cor., bears E. and W.; thence ascend abruptly over broken sandstone ledges.</p>
19.06	<p>To point of triangulation, on top of white sandstone ledge, 140 ft. above top of main ledge, bears NW. and SE.; continue abrupt ascent.</p>
40.00	<p>On steep S. slope of ridge, 150 ft. above white sandstone ledge.</p>

Chains

Survey of the W. bdy. of T. 28 S., R. 5 E.
or First Guide Meridian East.

Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked,

S24 | S19

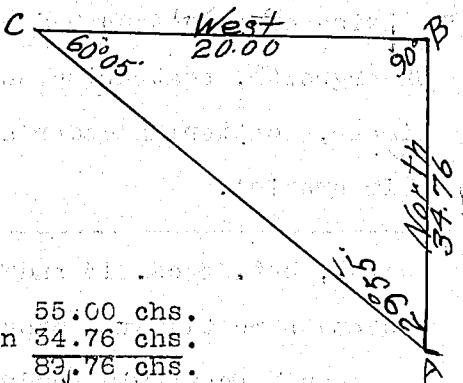
1921

From which,

A pinon, 8 ins. dia., bears N. 24° E., 27 lks. dist., marked $\frac{1}{2}$ S19 BT.

A pinon, 10 ins. dia., bears N. 27° W., 17 lks. dist., marked $\frac{1}{2}$ S24 BT.

- 44.00 Top of ridge which forms the divide bet. Spring Canyon and Sulphur Creek, 75 ft. above the $\frac{1}{2}$ sec. cor., bears NW. and SE.; descend abruptly.
- 55.00 South breaks of Spring Canyon, 150 ft. below top of ridge, bears E. and W. The breaks of Spring Canyon, make chaining N. of this point impracticable; I therefore determine the dist. by triangulation to top of N. breaks of canyon as follows. Erect flag "A" at the 55.00 chs. point and flag "B" on line N. at top of N. breaks of canyon. From flag "B", run a base line W., 20.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $60^{\circ}05'$ from flag "B". All bearings checked by direct reading of the solar and all angles checked by deflection.



Distance on line 55.00 chs.

Distance by triangulation 34.76 chs.

89.76 chs.

Approximate topography bet. points of triangulation.

- 68.00 Bottom of Spring Canyon, dry, 420 ft. below top of S. breaks, drains SE.; ascend abruptly over broken N. breaks of canyon.

Survey of the N. bdy. of T. 28 S., R. 5 E.
or First Guide Meridian East.

Claims

- 30.00 Point for the sec. cor., falls in inaccessible sandstone ledges; no cor. set.
- 23.76 Point of triangulation at top of N. breaks of Spring Canyon, 400 ft. above bottom, bears NW. and SE. Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bed rock and in a mound of stone, for witness cor. to the cor. secs. 13, 18, 19 and 24, with brass cap marked,

T28S		
R4E	|	R5E
S13	|	S18
	-	
S24	|	S19
	C	
		1921

From which,

A pinon, 6 ins. dia., bears N. 47° E., 26 lks.

dist., marked WC T28S R5E S18 BT.

A cedar, 10 ins. dia., bears S. $21^{\circ}30'$ E., 25 lks.

dist., marked WC T28S R5E S18 BT.

A pinon, 8 ins. dia., bears S. $2^{\circ}30'$ W., 39 lks. dist. marked T28S R4E S13 BT.

A pinon, 8 ins. dia., bears N. 72° W., 21 lks.

dist., marked T28S R4E S13 BT.

Land, broken by deep canyons and sandstone ledges, with a general southeasterly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy loam; lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Fair grazing.

North, bet. secs. 13 and 18, counting dist. from true cor. p. Ascend abruptly over broken, steep, S. slope of ridge, through scattering undergrowth of shadscale and scattering cedar and pinon timber.

3.76 The witness cor.

15.00 White sandstone ledges, 15 ft. high, bears E. and W.

Top of high ridge, 740 ft. above the witness sec. cor., bears E. and W.; descend abruptly.

Survey of the W. bdy. of T. 28 S., R. 5 E.
or First Guide Meridian East.

Chains

- 39.00 Enter scattering yellow and red pine timber, bears E. and W.
40.00 On steep N. slope of ridge, 25 ft. below top.
Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the
ground to bed rock and in a mound of stone, for $\frac{1}{2}$ sec.
cor., with brass cap marked,

1	
	1/2
1/2	
	1/2
1/2	
	1/2
1/2	
	1/2

S13 | S18
1921

From which,

A red pine, 10 ins. dia., bears N. 42° E., 67 lks.
dist., marked $\frac{1}{2}$ S18 BT.

A red pine, 12 ins. dia., bears S. 85° W., 74 lks.
dist., marked $\frac{1}{2}$ S13 BT.

- 78.00 Gulch at base of abrupt descent from ridge, 1000 ft. below
the $\frac{1}{2}$ sec. cor., drains S. 70° E.; leave yellow and red
pine timber, bears E. and W.; ascend abruptly.
80.00 At top of abrupt ascent from gulch, 45 ft. above bottom,
bears E. and W., on smooth sandstone surface, mark a
cross (x) for exact cor. point, over which,
Set an iron post, 3 ft. long, 2 ins. dia., in a large
mound of stone, for cor. secs. 7, 12, 13 and 18, with
brass cap marked,

T28S	
R4E	R5E
S12	S7
1/2	1/2
S13	S18
1921	

From which,

A red pine, 14 ins. dia., bears N. $14^\circ 30'$ E., 95 lks.
dist., marked T28S R5E S7 BT.

A pinon, 8 ins. dia., bears S. 77° E., 27 lks.
dist., marked T28S R5E S18 BT.

A pinon, 6 ins. dia., bears S. 65° W., 39 lks.
dist., marked T28S R4E S13 BT.

A pinon, 10 ins. dia., bears N. $67^\circ 30'$ W., 29 lks.
dist., marked T28S R4E S12 BT.

Survey of the W. bdy. of T. 28 S., R. 5 E.
or First Guide Meridian East.

Chains	<p>Land, broken, steep, N. and S. slopes of high ridge, with a general southerly and northerly exposure.</p> <p>Soil, shallow, sandy, loam, mixed with white clay, lying on sandstone bed rock.</p> <p>Undergrowth, scattering shadscale.</p> <p>Timber, scattering cedar and pinon on all of mile and scattering yellow and red pine on N., 41.00 chs.</p> <p>Fair grazing.</p>
	<p>North, bet. secs. 7 and 12.</p> <p>Ascend abruptly over broken land through scattering undergrowth of shadscale and scattering cedar, pinon, red and yellow pine timber.</p>
3.80	Sandstone ledge, 50 ft. high, bears E. and W.
23.00	Ridge, 220 ft. above sec. cor., bears NW. and SE.; descend.
34.40	Gulch, 150 ft. below ridge, drains SE.; ascend abruptly.
40.00	On top of ridge, 140 ft. above gulch, bears NW. and SE.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked,
	$\frac{1}{2}$
	S12 | S7
	1921
	From which,
	A pinon, 8 ins. dia., bears N. 83° W., 69 lks.
	dist., marked $\frac{1}{4}$ S12 BT.
	A pinon, 12. ins. dia., bears S. 11° E., 19 lks.
	dist., marked $\frac{1}{4}$ S7 BT.
	Thence, descend gradually over rolling top of ridge.
47.40	Begin abrupt descent into gulch, bears E. and W.
55.50	Gulch, 140 ft. below ridge, drains SE.; ascend abruptly over steep S. slope of Point Look Out.
.77.80	Sandstone ledge, 400 ft. above gulch, bears E. and W.; ascend gradually.

Survey of the W. bdy. of T. 28 S., R. 5 E.
or First Guide Meridian East.

Chains													
80.00	On steep W. slope of Point Look Out, 75 ft. above ledge, on surface of solid sandstone, mark a cross (X) for exact cor., point, over which, mark post in line. Set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for cor. secs. 1, 6, 7 and 12, with brass cap marked,												
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2">T28S</td> </tr> <tr> <td>R4E</td><td>R5E</td> </tr> <tr> <td>S1</td><td>S6</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> <tr> <td>S12</td><td>S7</td> </tr> <tr> <td colspan="2">1921</td> </tr> </table>	T28S		R4E	R5E	S1	S6	<hr/>		S12	S7	1921	
T28S													
R4E	R5E												
S1	S6												
<hr/>													
S12	S7												
1921													
	From which,												
	A point, on a smooth sandstone wall, bears NE., 5 lks. dist., marked cross (X) BO S6.												
	A yellow pine, 10 ins. dia., bears S. 10° E., 64 lks. dist., marked T28S R5E S7 BT.												
	A red pine, 10 ins. dia., bears S. 32° W., 120 lks. dist., marked T28S R4E S12 BT.												
	A yellow pine, 14 ins. dia., bears N. 22° W., 120 lks. dist., marked T28S R4E S1 BT.												
	Land, broken by sandstone ledges and deep gulches, with a general southwesterly exposure and drainage.												
	Soil, shallow, sandy, loam; mixed with loose rock, lying on sandstone bed rock.												
	Undergrowth, scattering shadscale.												
	Timber, scattering cedar, pinon, yellow and red pine.												
	Good grazing.												
	North, bet. secs. 1 and 6.												
	Ascend gradually over broken sandstone ledges through scattering undergrowth of shadscale and scattering growth of cedar, pinon, yellow and red pine timber.												
4.40	Top of high ridge, 20 ft. above sec. cor., bears E. and W.; from this point on ridge, a high white sandstone ledge, known as Point Look Out, bears SE., 8.00 chs. dist.; descend abrupt N. slope of ridge.												

Survey of the N. bdy. T. 28 S., R. 5 E.
or First Guide Meridian East.

Chains	
26.80	Gulch, 450 ft. below ridge, drains SE.; ascend gradually.
40.00	On top of ridge, 50 ft. above gulch, bears E. and W. Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	$\frac{1}{4}$
	S1 | S6
	1921
	From which,
	A red pine, 12 ins. dia., bears N. $72^{\circ}30'$ E., 132 lks. dist., marked $\frac{1}{4}$ S6 BT.
	A pinon, 10 ins. dia., bears S. 61° W., 14 lks. dist., marked $\frac{1}{4}$ S1 BT.
50.00	Gulch, 210 ft. below the $\frac{1}{4}$ sec. cor., drains S. 70° E.; ascend abruptly.
62.70	Ridge, 240 ft. above gulch, bears E. and W.; descend abruptly.
68.00	Gulch, 100 ft. below ridge, drains S. 70° E.; ascend gradually.
80.00	On top of ridge, bears E. and W., 200 ft. above gulch; Set temp. cor. Ts. 27 and 28 S., Rs. 4 and 5 E. Cor later set at this point as hereinafter described.
	Land, broken by deep gulches, with a general easterly exposure and drainage.
	Soil, shallow, sandy, loam; mixed with loose rock; lying on sandstone bed rock.
	Undergrowth, scattering shadscale.
	Timber, scattering cedar, pinon, red and yellow pine.
	Good grazing.

Survey of the N. bdy. T. 28 S., R. 5 E.

From the cor. on the N. bdy. of the township, for secs.
3, 4, 33 and 34, hereinafter described.

West, on random line, along the N. bdy. of T. 28 S., R. 5 E.,

Survey of the N. Edy. T. 28 S., R. 5 E.

Chains.

Setting temp. $\frac{1}{4}$ sec. and sec.cors. at intervals of 40.00 chs.; and at 239.80 chs. fall 5 lks.S.of the temporary cor. of Tps. 27 and 28 S., Rs. 4 and 5 E., which I now make permanent as follows:

Set an iron post 3 ft. long, 3 ins.dia., 12 ins.in the ground, to bed rock, and in a mound of stones, for cor. of Tps. 27 and 28 S., Rs. 4 and 5 E., with brass cap marked

T27S

R4E R5E

S36 S31

S 1 S 6

T28S

1921

from which

A pinon 16 ins.dia., bears N. 16° E. 16 lks.

dist., marked T27S R5E S31 BT

A cedar 8 ins.dia., bears S. 17° E. 20 lks.

dist., marked T28S R5E S6 BT

A pinon 10 ins.dia., bears S. 15° W. 46 lks.

dist., marked T28S R4 E S1 BT

A pinon 12 ins.dia., bears N. 42° W. 57 lks.

dist., marked T27S R4E S36 BT

Thence East on true line between Secs.6 and 31

Descend gradually over rolling top of ridge; through scattering undergrowth of shadscale and dense cedar and pinon timber.

25.00 East point of ridge 100 ft. below cor.; continue gradual descent.

35.50 Swale, 75 ft. below point of ridge, drains SE.; ascend gradually.

39.80 On gentle W. Slope, 60 ft. above swale.

Set an iron post, 3 ft.long, 1 in.dia., 6 ins.in the ground, to bed rock, and in a mound of stone, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S31

S 6

1921.

Survey of the B. Edy. T. 28 S., R. 5 E.

Chains. from which
 A pinon 6 ins.dia., bears N. 25° W. 14 lks.dist.
 marked $\frac{1}{4}$ S 31 B T
 A pinon 6 ins.dia., bears S. 3° E. 9 lks.dist.
 marked $\frac{1}{4}$ S 6 B T

50.00 Enter flat top ridge, 65 ft. above the $\frac{1}{4}$ sec.cor., bears N. and S.; thence over rolling top of ridge.

79.00 Leave flat top of ridge, bears N. and S.; descend abruptly

79.80 On steep E. slope 30 ft. below top of ridge,
 Set an iron post, 3 ft.long, 2 ins.dia., 10 ins.in the ground, to bed rock, and in a mound of stone, for cor. of secs.5,6,31 and 32, with brass cap marked

T27S	R5E
S31	S32
S 6 | S 5	
T28S	
1921	

from which

A pinon 10 ins.dia., bears N. 35° E. 9 lks. dist., marked T27S R5E S32 BT

A pinon 8 ins.dia., bears SE., 5 lks.dist.
 marked T28S R5E S5 BT

A pinon 12 ins.dia., bears S. $60^{\circ} 30'$ W. 41 lks.dist., marked T28S R5E S6 BT

A pinon, 12 ins.dia., bears N. $81^{\circ} 15'$ W. 19 lks.dist., marked T27S R5E S31 BT

Land, rolling, with a general easterly exposure and drainage.

Soil, shallow, sandy loam, lying on sandstone bed rock.
 Undergrowth, scattering shadscale. Good grazing.

Timber, dense cedar and pinon.

East, between Secs.5 and 32,

Descend abruptly over broken land; through scattering undergrowth of shadscale and dense cedar and pinon timber.

Survey of the N. bdy. of T. 28 S., R. 5 E.

Chains	
.3.40	Head of gulch, 80 ft. below sec. cor., drains NE.; ascend abruptly..
7.30	Ridge, 80 ft. above head of gulch, bears NE. and SW.; descend gradually..
17.90	Swale, 65 ft. below ridge, drains SE.; ascend gradually.
30.40	Ridge, 70 ft. above swale, bears N. and S.; descend gradually.
32.20	Descent becomes more abrupt, bears N. and S.
40.00	On steep E. slope, 225 ft. below top of ridge. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,

S32

$\frac{1}{4}$ _____
S5

1921

From which,

A pinon, 12 ins. dia., bears N. 26° E., 15 lks.

dist., marked $\frac{1}{4}$ S32 BT.

A cedar, 5 ins. dia., bears S. 8° W., 18 lks.

dist., marked $\frac{1}{4}$ S5 BT.

42.00 Gulch, 60 ft. below the $\frac{1}{4}$ sec. cor., drains NE.; ascend gradually.

62.12 Base of inaccessible white sandstone ledge, 400 ft. high, bears NW. and SE.; to pass ledge, I run a traverse line as follows.

S. $66^{\circ}30'$ E., 19.50 chs.

North, 7.78 chs. to,

80.00 On true line, at a point bet. two high sandstone buttes.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 4, 5, 32 and 33, with brass cap marked,

T27S | R5E

S32 | S33

S5 | S4

T28S

1921

Survey of the N. bdy. of T. 28 S., R. 5 E.

Chains	<p>From which,</p> <p>A pinon, 12 ins. dia., bears N. $6^{\circ}30'$ E., 41 lks. dist., marked T27S R5E S33 BT.</p> <p>A pinon, 10 ins. dia., bears S. 35° E., 22 lks. dist., marked T28S R5E S4 BT.</p> <p>A pinon, 16 ins. dia., bears S. 12° W., 190 lks. dist., marked T28S R5E S5 BT.</p> <p>A pinon, 10 ins. dia., bears N. 8° W., 36 lks. dist., marked T27S R5E S32 BT.</p> <p>Land, broken by deep gulches and sandstone ledges, with a general northeasterly exposure and drainage.</p> <p>Soil, shallow, sandy, loam, lying on sandstone bed rock.</p> <p>Undergrowth, scattering shadscale.</p> <p>Timber, dense cedar and pinon.</p> <p>Good grazing.</p>
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East, bet. secs. 4 and 33, through dense cedar and pinon timber and scattering undergrowth of shadscale. A high, inaccessible, white, sandstone ridge makes chain-E., impracticable from this point. To avoid ridge, I run traverse as follows.

South, 7.78 chs.

S. $71^{\circ}00'$ E., 42.31 chs.

North, 21.55 chs. to,

40.00 On true line, at base of inaccessible sandstone ridge, 350 ft. high, bears E. and W., base bears N. and S. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked,

S33

$\frac{1}{4}$

S4

1921

From which,

A pinon, 12 ins. dia., bears N. $87^{\circ}30'$ E., 92 lks.
dist., marked $\frac{1}{4}$ S33 BT.

A pinon, 10 ins. dia., bears S. $2^{\circ}30'$ W., 89 lks.
dist., marked $\frac{1}{4}$ S4 BT.

Survey of the N. bdy. of T. 28 S., R. 5 E.

Chains	
	Thence, descend gradually over rolling land.
44.30	A cedar; 15 ins. dia., on line, which I mark with two notches on E. and W. faces for line tree.
54.30	Draw, 40 ft. below the $\frac{1}{4}$ sec. cor., drains SE.; ascend gradually.
80.00	On rolling top of bench, 30 ft. above draw; the cor secs. 3, 4, 33 and 34, hereinafter described.
	Land, rolling, on E. half mile, broken by sandstone ledges, on W. half mile.
	Soil, shallow, sandy loam, lying on sandstone bed rock.
	Drainage, SE.
	Undergrowth, scattering shadscale.
	Timber, dense cedar and pinon.
	Good grazing.

There being no objective cor. to the E. of this point, East, bet. secs. 3 and 34.

Descend gradually over rolling land through scattering undergrowth of shadscale and scattering cedar and pinon timber.

8.00	Swale, 80 ft. below the sec. cor., drains SE.; ascend gradually.
12.00	Spur, 30 ft. above swale, projects SE.; descend gradually.
16.30	Draw, 50 ft. below spur, drains SE.; ascend gradually.
40.00	On rolling land, 30 ft. above draw.
	No iron post, being available; set a trachyte, 40 x 18 x 12 ins., 30 ins. in the ground, marked $\frac{1}{4}$ on N. face;
	From which,

A pinon, 8 ins. dia., bears N. $22^{\circ}15'$ E., 21 lks.
dist., marked $\frac{1}{4}$ S34 BT.

70.50	A pinon, 6 ins. dia., bears S. 20° E., 23 lks. dist., marked $\frac{1}{4}$ S3 BT.
73.90	Descent becomes more abrupt, bears N. and S.
	Gulch, 150 ft. below the $\frac{1}{4}$ sec. cor., drains SE.; ascend gradually.

Survey of the N. bdy. of T. 28 S., R. 5 E.

Chains	
80.00	On NE. bank of gulch: No iron post being available. Set a trachyte, 24 x 16 x 12 ins., 18 ins. in the ground, for cor. secs. 2, 3, 34 and 35, marked with 2 notches on E. edge, and 4 notches on W. edge. From which, A pinon, 8 ins. dia., bears N. 30° W., 33 lks. . dist., marked T27S R5E S34 BT. A pinon, 8 ins. dia., bears S. 25° E., 11 lks. . dist., marked T28S R5E S2 BT. No other suitable bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling, with general southeasterly exposure and drainage. Soil, shallow, sandy, loam, lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Good grazing.
11.00	East, bet. secs. 2 and 35. Ascend gradually over broken land through scattering undergrowth of shadscale and dense cedar and pinon timber.
19.40	Spur, 60 ft. above gulch, projects S.; descend abruptly.
36.40	Gulch, 110 ft. below spur, drains N. 70° E.; ascend abruptly North point of spur, 30 ft. above gulch; ascend gradually over steep N. slope of ridge.
40.00	On steep N. slope of ridge, 35 ft. above point of spur. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	S35 — S2
	1921
	From which, A pinon, 10 ins. dia., bears N. 60° W., 45 lks. . dist., marked $\frac{1}{4}$ S35 BT. A pinon, 10 ins. dia., bears S. 33° E., 63 lks. . dist., marked $\frac{1}{4}$ S2 BT.

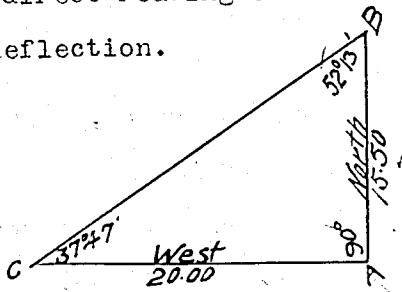
Survey of the E. bdy. T. 28 S., R. 5 E.

Chains

- 50.00 Top of abrupt descent over inaccessible sandstone ledges, bears N. and S.
 Land, broken, with a general northeasterly exposure and drainage.
 Soil, shallow, sandy loam; lying on sandstone bed rock.
 Undergrowth, scattering shadscale.
 Timber, dense cedar and pinon.
 Good grazing.

Survey of the E. bdy. T. 28 S., R. 5 E.

From the witness cor. to cor. T. 28 S., Rs. 5 and 6 E., which is 4.00 chs. S. of its true position.
 North, bet. secs. 31 and 36, counting dist. from true cor. point, through scattering cedar and pinon timber.
 The main ledge of the Capitol Reef Cliffs make chaining to the N. of the witness cor. impossible. I therefore determine the dist. to top of ledges by triangulation as follows. Erect flag "A" at the witness township cor. and flag "B" on line N. at top of main ledge. From flag "A", run a base line S. 6.00 chs., W., 20.00 chs. and N., 6.00 chs. to a point which is 20.00 chs. W. of the witness township cor. and erect flag "C". From flag "C", flag "B" subtends an angle of $37^{\circ}47'$ from flag "A". All bearing checked by direct reading of the solar, and all angles checked by deflection.



- 11.50 To point of triangulation at top of main ledge of the Capitol Reef Cliffs, 580 ft. above the witness township cor., bears NW. and SE., also the S. brink of Meek's Mesa. Bears NW. and SE.; thence ascend gradually over broken top of Meek's Mesa.

- 40.00 On broken top of Meek's Mesa, on smooth sandstone surface rock; mark a cross (X) for exact cor. point, over which

Survey of the E. Edy. of T. 28 S., R. 5 E.

Chains

Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap ,marked,

S36 | S31

1321

From which,

A pinon, 12 ins. dia., bears S. 29° E., 40 lks.
dist., marked $\frac{1}{4}$ S31 BT.

A pinon, 8 ins. dia., bears S. 36° W., 86 lks.
dist., marked $\frac{1}{4}$ S36 BT.

43.50 Ridge, 175 ft. above top of ledge, bears E. and W.; descend gradually:

61.00 Gulch, 160 ft. below ridge; drains S: 70° E.; ascend gradually.

76.30 Sandstone spur, 140 ft. above gulch, projects W.; descend abruptly.

80.00 On N. Brink of Meek's Mesa, 75 ft. below spur, bears NW.
and SE., on smooth sandstone surface rock; mark a cross
(X) for exact cor. point, over which,

Set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for cor. secs. 25, 30, 31 and 36, with brass cap marked,

T28S

R5E | R6E

S25 | S30

—

S36 | S31

1321

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
No suitable bearing trees available.

Land, broken sandstone ledges, with a general southeasterly exposure and drainage,

Soil, sandstone surface rock and shallow, sandy loam;
lying on sandstone bed rock.

Undergrowth; scattering shadscale.

Timber, scattering cedar and pinon. Fair grazing.

On account of inaccessible ledges, box canyons, and gulches, I abandon line north of this corner.

Subdivision of T. 28 S., R. 5 E.

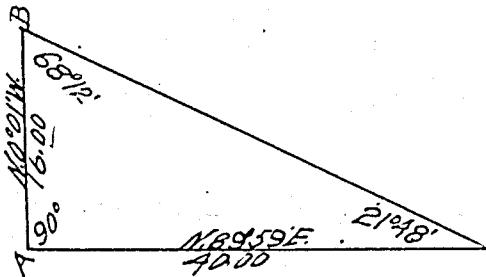
Chains

From the cor. secs. 35 and 36, on the S. bdy. of the township.

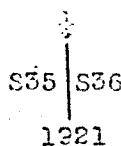
N. $0^{\circ}01'$ W., bet. secs. 35 and 36.

The main ledge of the Capitol Reef Cliffs, make chaining N. of this cor., impracticable; I therefore determine the dist., to top of the reef by triangulation as follows.

Erect flag "A" at the cor. secs. 35 and 36, and flag "B" at top of reef. From flag "B", a flag left 1 link N. of the 1 sec. cor. sec. 36, subtends an angle of $68^{\circ}12'$ from flag "A". All bearings checked by direct reading of the solar, and all angles checked by deflection.



- 16.00 To point of triangulation, at top of main ledge of the Capitol Reef Cliffs, 560 ft. above sec. cor., bears E. and W., also S. rim of Meek's Mesa; thence over rolling top of mesa through scattering undergrowth of shadscale and scattering cedar and pinon timber.
- 40.00 On rolling top of mesa, on smooth sandstone surface rock; mark a cross (X) for exact cor. point, over which: Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for 1/2 sec. cor., with brass cap marked,



From which,

A pinon, 8 ins. dia., bears S. 74° E., 7 lks.
dist., marked 1 S36 ET.

A pinon, 14 ins. dia., bears S. 36° W., 73 lks.
dist., marked 1 S35 ET.

44.60 Draw, 30 ft. deep, drains NE.

72.00 Draw, 40 ft. deep, drains E.; thence ascend abruptly over broken sandstone ledges.

Subdivision of T. 28 S., R. 5 E.

Chains

- 80.00 On S. slope of sandstone ledges, on smooth sandstone surface rock, mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 2 ins. dia., in a large mound of stone, for cor. secs. 25, 26, 35 and 36, with brass cap marked,

T28S | R5E

S26 | S25

S35 | S36

1921

No suitable bearing trees available.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling top of Meek's Mesa bet. the 16.00 chs. and 72.00 chs. points; broken by sandstone ledges remainder of mile.

Soil, shallow, sandy, loam; lying on sandstone bed rock.

Drainage, E.

Undergrowth, scattering shadscale.

Timber, scattering scrub cedar and pinon.

Good grazing.

East, on random line bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.00 Intersect the E. bdy. of the township, at the cor. secs. 25, 30, 31 and 36.

Thence,

West, on true line bet. secs. 25 and 36.

Ascend gradually over broken land through scattering undergrowth of shadscale and scattering scrub, cedar and pinon timber.

7.70 Pass bet. two white sandstone buttes, 70 ft. above cor., bears N. and S.; descend gradually.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked,

Subdivision of T. 28 S., R. 5 E.

Chains	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10px;"></td><td style="width: 10px; text-align: right;">S25</td></tr> <tr> <td></td><td style="text-align: right;">$\frac{1}{4}$</td></tr> <tr> <td></td><td style="text-align: right;">S36</td></tr> <tr> <td></td><td style="text-align: right;">1921</td></tr> </table>		S25		$\frac{1}{4}$		S36		1921
	S25								
	$\frac{1}{4}$								
	S36								
	1921								
	From which,								
	A pinon, 6 ins. dia., bears N. 60° E., 42 lks. dist., marked $\frac{1}{4}$ S25 BT.								
	A pinon, 12 ins. dia., bears S. 12° W., 15 lks. dist., marked $\frac{1}{4}$ S36 BT.								
43.50	Draw, 75 ft. below buttes, drains NE.; ascend gradually.								
46.50	Leave sandstone ledges, bears N. and S.; thence, over rolling top of Meek's Mesa.								
75.00	Enter broken sandstone ledges, bears N. and S.								
80.00	The cor. secs. 25, 26, 35 and 36, 85 ft. above draw. Land, rolling bet. the 46.50 chs. and 75.00 chs. points, broken by sandstone ledges remainder of mile, with a general northeasterly exposure and drainage. Soil, sandstone surface rock, and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Good grazing.								
	N. $0^{\circ}01'$ W., bet. secs. 25 and 26. Ascend gradually over broken sandstone ledges through scattering undergrowth of shadscale and scattering scrub cedar and pinon timber.								
5.00	Ridge, 25 ft. above sec. cor., bears E. and W.; descend gradually.								
20.00	Swale, 50 ft. below ridge, drains S. 60° E.; ascend gradually.								
40.00	On top of white sandstone ridge, 80 ft. above swale, bears E. and W.; on sandstone surface rock, mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10px;"></td> <td style="width: 10px; text-align: right;">S26</td> </tr> <tr> <td></td> <td style="text-align: right;">$\frac{1}{4}$</td> </tr> <tr> <td></td> <td style="text-align: right;">S25</td> </tr> <tr> <td></td> <td style="text-align: right;">1921</td> </tr> </table>		S26		$\frac{1}{4}$		S25		1921
	S26								
	$\frac{1}{4}$								
	S25								
	1921								

Subdivision of T. 28 S., R. 5 E.

Chains

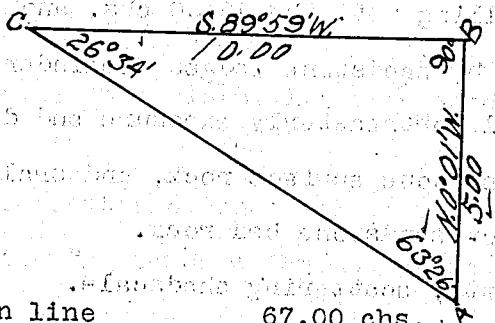
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

43.00 Begin abrupt descent over nearly inaccessible sandstone ledges, bears E. and W.

67.00 Top of perpendicular sandstone ledge which forms the S. breaks of Spring Canyon, bears E. and W. To determine the dist. to bottom of Spring Canyon, I triangulate as follows:

Set flag "A" at the 67.00 chs. point, and flag "B" on line N. at bottom of canyon. From flag "B", run a base line S. $89^{\circ}53'$ W., 10.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $26^{\circ}34'$ from flag "B". All bearing checked by direct reading of the solar, and all angles checked by deflection.



Distance on line 67.00 chs.
Distance by triangulation 5.00 chs

72.00 chs.

72.00 To point of triangulation in bottom of Spring Canyon, 450 ft. below top of S. breaks, drains SE.; ascend gradually

73.06 On N. side of Spring Canyon, 25 ft. above bottom, at base of inaccessible sandstone ledges, bears S. 75° E. and N. 75° W.; as the true point for the cor. secs. 23, 24, 25 and 26, falls in inaccessible sandstone ledges, where it is impossible to set cor.; at this point,

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for witness cor. to the cor. secs. 23, 24, 25 and 26, with brass cap marked,

W.C.

T28S R5E

S23 S24

S26 S25

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

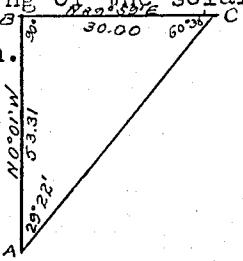
Subdivision of T. 28 S. R. 5 E.

Chains 80.00	Point for corner falls in inaccessible ledges; no corner set. Land, broken by sandstone ledges, with a general east- erly exposure and drainage. Soil, shallow, sandy loam, on sandstone bed rock. Undergrowth scattering shadscale. Timber, scattering scrub cedar and pinon. Fair grazing. Note: Line between Secs. 24 and 25 unsurveyable, on ac- count of inaccessible ledges.
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From the witness cor. to corner of secs. 23, 24, 25, and 26 N. $0^{\circ} 01'$ W. between Secs. 23 and 24,

The north breaks of Spring Canyon make chaining to the north of this corner impracticable; I therefore determine the distance to top of breaks by triangulation as follows: Erect flag "A" at the witness cor. to cor. of secs. 23, 24, 25, and 26 and flag "B" on line north at top of ledges. From flag "B" run a base line N. $89^{\circ} 59' E.$ 30.00 chs. and erect flag "C". From flag "B" flag "A" subtends an angle of $60^{\circ} 38'$ from flag "B". All bearings checked by direct reading of the solar and all angles checked by deflection.

Distance by triangulation 53.31 chs.
Or from true point for corner.

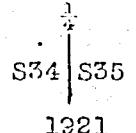
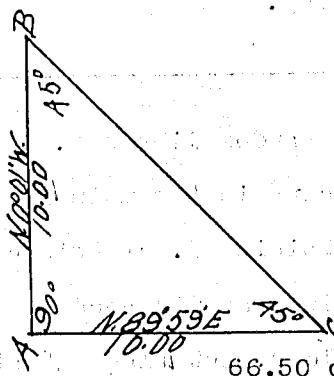


- 46.37 To point of triangulation at top of north breaks of Spring Canyon, 640 ft. above the witness cor. to cor. of secs. 23, 24, 25, and 26, bears SE. and NW. As the true point for $\frac{1}{4}$ sec.cor. falls in inaccessible sandstone ledges, where it cannot be set, at this point, which is 6.37 chs. N. $0^{\circ} 01'$ W. of true point for $\frac{1}{4}$ sec.cor. between secs. 23 and 24,
Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground, to bed rock, and in a mound of stone, for witness corner to $\frac{1}{4}$ sec.cor. secs. 23 and 24, with brass

Subdivision of T. 28 S., R. 5 E.

	Chains	cap marked S23 S24 W C 1921 from which A pinon 10 ins.dia., bears S. 80° E. 70 lks. dist., marked WC & S24 BT No other suitable bearing tree available; raise a mound of stone 2 ft.base, 1½ ft.high W.of cor. 56.36 Perpendicular sandstone ledge, 40 ft.high, bears E. and W. Thence ascend gradually over broken sandstone ledges; through scattering cedar and pinon pine timber. 75.90 Top of abrupt descent over broken sandstone ledges, 75 ft. above perpendicular ledge, bearing E. and W. As true point for cor. of secs.13,14,23, and 24 will fall in inaccessible ledges, at this point, which is 4.10 chs. S. 0° 01' E. of the true corner point, on sandstone surface, mark a cross (X) at exact corner point, over which Set an iron post, 3 ft.long, 2 ins.dia., in a mound of stone for witness corner to corner of secs.13, 14, 23 and 24, with brass cap marked W C T28S R5E S14 S13 S23 S24 1921 Raise a mound of stone 2 ft.base, 1½ ft.high W.of cor. 80.00 Point for corner secs.13,14,23, and 24; no corner set. Land, broken by sandstone ledges; with a general south- erly exposure and drainage. Soil, sandstone surface rock and loose, sandy loam, on sandstone bed rock. Undergrowth, scattering shadscale. Timber scattering cedar and pinon. Good grazing. Note: Lines between secs.13 & 24, 13 & 14, 12 & 13, 11 & 12, 1 & 12, and 1 & 2 unsurveyable on account of inaccessible ledges, box canyons, and gulches.
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Subdivision of T. 28 S., R. 5 E.

Chains	
	From the cor. for secs. 34 and 35, on the S. bdy. of the township. N. $0^{\circ}01'W.$, bet. secs. 34 and 35.
	Descend abruptly over broken sandstone ledges through scattering undergrowth of shadscale and scattering scrub cedar and pinon timber.
5.00	Gulch, 100 ft. below cor., drains SE.; ascend gradually.
20.00	Spur, 40 ft. above gulch, projects SE.; descend gradually.
24.00	Gulch, 30 ft. below spur, drains S. $30^{\circ}E.$; ascend abruptly.
40.00	On steep S. slope, 110 ft. above gulch. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	 S34 | S35 1321
	No suitable bearing trees available.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
66.50	Base of inaccessible sandstone ledge which is the main ledge of the Capitol Reef Cliffs, 500 ft. above the sec. cor., bears E. and W. To determine the dist. to top of ledge, I triangulate as follows. Erect flag "A" at the 66.50 chs. point, and flag "B" on line N. at top of ledge. From flag "A", run a base line N. $89^{\circ}59'E.$, 10.00 chs. dist., from which point, flag "B", subtends an angle of 45° from flag "A". All bearing checked by direct reading of the solar, and all angles checked by deflection.
	
	Distance on line N. $89^{\circ}59'E.$ 66.50 chs.
	Distance by triangulation 10.00 chs.
	76.50 chs.
76.50	To point of triangulation at top of main ledge of the

Subdivision of T. 28 S., R. 9 E.

~~Wadsworth~~

Capital Reef Cliffs, 250 ft. above base, bears N. 2° E., 5000 ft., also the S. rim of Koch's Mesa; thence, ascend gradually over broken sandstone ledges.

- 10.00 On top of mesa, 50 ft. above S. rim, on sandstone surface rock, mark a cross (X) for exact cor., point, over which set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for cor. secs. 26, 27, 34 and 35, with brass cap marked,

T28S	R5E
S27	S26
S34	S35

1921

From which,

A pinon, 3 ins. dia., bears N. 2° E., 52 lks.
dist., marked T28S R5E S26 BT.

A pinon, 8 ins. dia., bears S. 48° E., 61 lks.
dist., marked T28S R5E S35 BT.

A pinon, 8 ins. dia., bears S. $3^{\circ}30'$ W., 70 lks.
dist., marked T28S R5E S34 BT.

A pinon, 8 ins. dia., bears N. 52° W., 40 lks.
dist., marked T28S R5E S27 BT.

Land, sandstone ledges with a general southeasterly exposure and drainage.

Soil; mostly sandstone surface rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Good grazing.

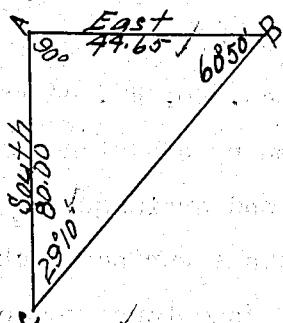
East, on random line bet. secs. 26 and 35.

A large cove in the main ledge of the Capitol Reef Cliffs make chaining E. of this cor. impracticable; I therefore determine the distance to E. rim of cove by triangulation as follows. Set flag "A" at the cor. secs. 26, 27, 34 and 35, flag "B" on line E. on E. rim of cove, and flag "C", 2 lks. S. of the cor. secs. 34 and 35. From flag "B", flag "C" subtends an angle of $60^{\circ}30'$ from flag "A".

Subdivision of T. 28 S., R. 5 E.

Chains

All bearings checked by direct reading of the solar, and all angles checked by deflection.



Distance by triangulation 44.65 chs.

- 40.05 Point for the $\frac{1}{4}$ sec. cor. falls in inaccessible ledges.
- 44.65 To point of triangulation; set temp. witness $\frac{1}{4}$ sec. cor.
- 80.06 Intersect the N. and S. line, 14 lks. N. of the cor. secs. 25, 26, 35 and 36.
Thence,
N. $89^{\circ} 54'$ W., on true line bet. secs. 26 and 35.
Ascend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
- 3.70 Spur, 50 ft. above the sec. cor., projects S. 30° W.; descend gradually.
- 9.60 Gulch, 70 ft. below spur, drains S. 30° W.; ascend gradually.
- 17.00 Ridge, 70 ft. above gulch, bears NE. and SW.; descend gradually.
- 35.41 To point of triangulation, on E. rim of cove in the main ledge of the Capitol Reef Cliffs, 180 ft. below ridge, ledge, 320 ft. high, bears NW. and SE. At this point, on sandstone surface rock, mark a cross (X) for exact cor. point, over which,
Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 26 and 35, with brass cap marked,
- S26
WC $\frac{1}{4}$ —————
S35
- 1921
- No suitable bearing trees available.
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Subdivision of T. 28 S., R. 5 E.

Chains

Thence, by triangulation.

40.03 Point for the $\frac{1}{2}$ sec. cor. falls in inaccessible sandstone ledges. No cor. set.

80.06 The cor. secs. 26, 27, 34 and 35.

Land, broken by sandstone ledges with a general southerly exposure and drainage.

Soil, sandstone surface rock and shallow sandy loam.
lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Good grazing.

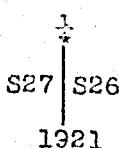
N. 0°01' W., bet. secs. 26 and 27.

Ascend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.

9.30 Ridge, 55 ft. above sec. cor., bears E. and N.; descend gradually.

13.00 Draw, 50 ft. below ridge, drains SE.; continue gradual descent.

40.00 On gentle N. slope of Meek's Mesa, 75 ft. below draw.
Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked,



From which,

A pinon, 6 ins. dia., bears N. 66° W., 27 lks.
dist., marked $\frac{1}{2}$ S27 BT.

A pinon, 8 ins. dia., bears S. 6° E., 79 lks.
dist., marked $\frac{1}{2}$ S26 BT.

74.44 On S. rim of Spring Canyon, 325 ft. below the $\frac{1}{2}$ sec. cor., bears NE. and SW.; seeing that cor. secs. 22, 23, 26 and 27, will fall in inaccessible sandstone ledges, where

Subdivision of T. 28 S., R. 5 E.

Chains

it will be impossible to set cor.; at this point, on sandstone surface rock, mark a cross (X) for exact cor. point, over which,

Set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for witness cor. to the cor. secs. 22, 23, 26 and 27, with brass cap marked,

	W C
T28S	R5E
S22	S23
S27	S26

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

80.00 Point, for sec. cor. falls in inaccessible sandstone ledges, no cor. set.

Land, broken, with a general northerly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy loam; lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Good grazing.

From the witness cor. to the cor. secs. 22, 23, 26 and 27. S. $89^{\circ}54'$ E., on random line bet. secs. 23 and 26.

33.60 Top of S. breaks of Spring Canyon, 650 ft. high, bears S. 80° E. and N. 80° W. Offset N. $0^{\circ}01'$ W., 5.56 chs. to true random line. Seeing that the true point for the $\frac{1}{4}$ sec. cor., will fall on inaccessible sandstone ledges, at this point; set temp. witness $\frac{1}{4}$ sec. cor. The S. breaks of Spring Canyon, make chaining to the E. of this point, impossible, I therefore determine the distance to bottom of canyon by triangulation as follows. Erect flag "A" at the 33.60 chs. point, and flag "B", S. $89^{\circ}54'$ E., in bottom of Spring Canyon. From flag "B", run a base line S. $0^{\circ}06'$ W., 10.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $62^{\circ}13'$ from flag "B". All bearings checked by direct reading of the solar,

Subdivision of T. 28 S., R. 5 E.

Chains	and all angles checked by deflection.
	<p>Distance on line 33.60 chs. Distance by triangulation 18.98 chs. <u>52.58</u> chs.</p>
52.58	<p>To point of triangulation in bottom of Spring Canyon, The N. breaks of Spring Canyon, make chaining to the E. of this point, impossible; therefore S. 75°00' E., 28.33 chs. dist. on a traverse line along the base of breaks to a point 50 lks. S. 0°01' E. of the witness cor. to the cor. secs. 23, 24, 25 and 26, and a point 7.44 chs. S. 0°01' E. of the true point for cor. secs. 23, 24, 25 and 26. The bearing of the line bet. the true point for cor. secs. 23, 24, 25 and 26, and the true point for cor. secs. 22, 23, 26 and 27, is therefore W. and the distance is 80.00 chs..</p> <p>Thence,</p> <p>From a point, 50 lks. S. 0°01' E. of the witness cor. to cor. secs. 23, 24, 25 and 26.</p> <p>N. 75°00' W., on traverse line bet. secs. 23 and 26.</p> <p>Descend abruptly over broken sandstone ledges through scattering undergrowth of shadscale and scattering cedar and pinon timber.</p>
27.42	<p>To point of triangulation in bottom of Spring Canyon, 140 ft. below witness sec. cor., drains S. 70° E.; offset N., 3 lks. dist. to true line; thence by triangulation.</p>
40.00	<p>Point for the 1/4 sec. cor. falls in inaccessible sandstone ledges; no cor. set.</p>
46.40	<p>A point 5 lks. N. of the triangulation point, on N. point of sandstone point from S. breaks of Spring Canyon, 680 ft. above bottom of canyon; at this point on sandstone</p>

Subdivision of T. 28 S., R. 5 E.

Chains

surface rock, mark a cross (X) for exact cor. point, over which,
Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 23 and 26, with brass cap marked,

S23
—
WC
S26

1321

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable bearing trees available.

Thence offset as follows along top of S. breaks of canyon.

S. $0^{\circ}01'$ E., 5.62 chs.
N. $89^{\circ}54'$ W., 33.60 chs. to

80.00 The witness cor. to the cor. secs. 22, 23, 26 and 27. Land, sandstone ledges, with a general southeasterly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy loam; lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Fair grazing.

From the true point for cor. secs. 22, 23; 26 and 27.

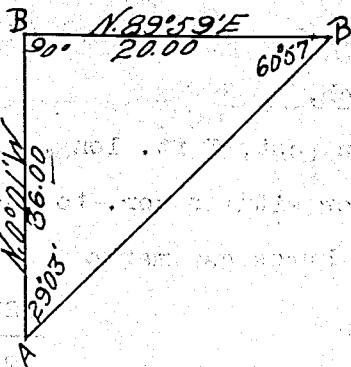
E. $0^{\circ}01'$ W., bet. secs. 22 and 23.

The N. and S. breaks of Spring Canyon, make chaining impossible N. of this point, I therefore determine the distance across canyon by triangulation as follows.

Erect flag "A" at the true point for sec. cor. and flag "B" on line N. at top of N. breaks. From flag "B", run a base line, W. $89^{\circ}54'$ E., 20.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $60^{\circ}57'$ from flag "B". All bearings checked by direct reading of the solar, and all angles checked by deflection.

Subdivision of T. 28 S., R. 5 E.

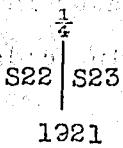
Chains



Distance by triangulation 36.00 chs.

Approximate topography bet. points of triangulation.

- 18.50 Bottom of Spring Canyon, 680 ft. below point for cor. secs. 22, 23, 26 and 27, drains SE.; ascend abruptly over sandstone ledges.
- 36.00 To point of triangulation at top of N. breaks of Spring Canyon, 720 ft. above bottom, bears NW. and SE.; ascend gradually over sandstone ledges.
- 40.00 On steep S. slope of smooth sandstone surface rock, 55 ft. above top of N. breaks; it being impossible to set an iron post at this point, mark a cross (X) for exact cor. point, with marks,



From which,

A pinon, 5 ins. dia., bears N. 38° E., 35 lks.
dist., marked $\frac{1}{2}$ S23 BT.

A pinon, 10 ins. dia., bears S. 47° W., 62 lks.
dist., marked $\frac{1}{2}$ S22 BT.

- 49.00 Base of red sandstone butte, 75 ft. above the sec. cor. bears E. and W.; ascend abrupt S. slope of butte.
- 70.00 Top of red sandstone butte, 280 ft. above base, bears E. and W.; descend abrupt N. slope of butte.
- 80.00 On steep N. slope of butte, 180 ft. below top, and the S. side of a series of impassable sandstone ledges.
Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in the ground to bed rock and in a mound of stone, for cor. secs. 14, 15, 22 and 23, with brass cap marked,

Subdivision of T. 28 S., R. 5 E.

Chains	
	T28S R5E S15 S14
	S22 | S23
	1921
	No suitable bearing trees available.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, broken by sandstone ledges, with a general south-easterly exposure and drainage.
	Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.
	Undergrowth, scattering shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing.

East, on random line bet. secs. 14 and 23.

- 36.64 Seeing that the point for the $\frac{1}{4}$ sec. cor. will fall on steep E. slope of sandstone ledges were a permanent cor. cannot be set, at this point,
Set temp. witness $\frac{1}{4}$ sec. cor.
- 71.35 West rim of deep, gulch; it being impossible to chain across gulch at this point, I offset S., 4.10 chs. dist., from which point, the witness cor. to the cor. secs. 13, 14, 23 and 24, bears E., .8.65 chs. dist. The bearing of the line bet. the true point for cor. secs. 13, 14, 23 and 24, and the cor. secs. 14, 15, 22 and 23, is therefore W., and the dist. is 80.00 chs.
Thence,
From the true point for cor. secs. 13, 14, 23 and 24.
West, on true line bet. secs. 14 and 23.
Descend abruptly over inaccessible sandstone ledges, from E. rim of deep gulch, through scattering undergrowth of shadscale and scattering cedar and pinon timber.
- 4.50 (Approximate dist.) bottom of deep gulch, 230 ft. below true point for cor. secs. 13, 14, 23 and 24, drains N. 20° E.; ascend abruptly over inaccessible sandstone ledges.

Subdivision of T. 28 S., R. 5 E.

Chains

8.65	Top of W. rim of gulch, bears N. and S., 215 ft. above bottom; ascend gradually.
18.00	Ridge, 75 ft. above W. rim of gulch, bears NW. and SE.; descend gradually.
25.00	Draw, 45 ft. below ridge, drains N.; ascend abruptly over nearly inaccessible sandstone ledges.
40.00	Point for the $\frac{1}{4}$ sec. cor. falls in sandstone ledges where it is impossible set cor. No cor. set.
43.36	At top of white sandstone ledges, 175 ft. above draw, on sandstone surface rock; mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 ins dia., in a mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 14 and 23, with brass cap marked,
	S14 $\frac{1}{4}$ WC S23
	1921
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable bearing trees available.
	Thence, descend abrupt W. slope of ledges which bear E. and W.
48.00	Gulch at base of ledges, 200 ft. below top, drains N.; ascend abruptly.
52.00	Sandstone point, 80 ft. above gulch, projects N.; descend abruptly.
56.00	Gulch, 75 ft. below sandstone point, drains N. 20° E.; ascend abruptly.
60.00	White sandstone spur, 150 ft. above gulch, projects N.; descend abruptly.
65.00	Head of draw, 200 ft. below spur, drains N. 30° E.; ascend gradually.
80.00	The cor. secs. 14, 15, 22 and 23, 70 ft. above head of draw. Land, broken by sandstone ledges, with a general north-easterly exposure and drainage.

Subdivision of T. 28 S., R. 5 E.

Chains	
	Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.
	Undergrowth, scattering shadscale.
	Timber, scattering cedar and pinon. Fair grazing. Note: Lines between Secs. 14 and 15, 11 and 14, 10 and 11, 2 and 11, and 2 and 3 unsurveyable, on account of inaccessible ledges, box canyons, and gulches.
	From the cor. of secs. 33 and 34, on the S. bdy. of the township, N. $0^{\circ}02'$ W., bet. secs. 33 and 34.
	Descend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
11.50	Gulch, 35 ft. below cor., drains SE.; ascend abruptly.
25.00	Blue clay ridge, 250 ft. above gulch, bears E. and W.; descend abruptly.
27.80	Gulch, 70 ft. below ridge, drains E.; ascend abruptly.
37.80	Spur, 110 ft. above gulch, projects E.; descend abruptly.
40.00	On steep N. slope of spur, 75 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	$\frac{1}{4}$ S33 S34 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No suitable bearing trees available.
40.40	Gulch, 15 ft. below the $\frac{1}{4}$ sec. cor., drains S. 80° E.; ascend abruptly.
54.50	Sandstone ledge which forms the S. rim of Cook's Mesa, 40 ft. high, 300 ft. above gulch, bears NE. and SW.; continue abrupt ascent.
66.00	Base of a red sandstone point from Meek's Mesa, about 300 ft. high, projects SE. To pass point, I offset as follows.

Subdivision of T. 28 S., R. 5 E.

	Chains								
	N. $89^{\circ}58'$ E., 3.20 chs.								
	N. $0^{\circ}02'$ W., 10.00 chs.								
	S. $89^{\circ}58'$ W., 3.20 chs. to,								
76.00	Point on true line at base of high sandstone point, bears SE. and NW.; continue abrupt ascent.								
80.00	On steep S. slope of Meek's Mesa, 520 ft. above S. rim of Cook's Mesa. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 27, 28, 33 and 34, with brass cap marked,								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T28S</td><td>R5E</td></tr> <tr> <td>S28</td><td>S27</td></tr> <tr> <td colspan="2"><hr/></td></tr> <tr> <td>S33</td><td>S34</td></tr> </table>	T28S	R5E	S28	S27	<hr/>		S33	S34
T28S	R5E								
S28	S27								
<hr/>									
S33	S34								
	1321								
	From which,								
	A pinon, 7 ins. dia., bears N. 10° E., 55 lks. dist., marked T28S R5E S27 BT.								
	A pinon, 7 ins. dia., bears S. 29° E., 59 lks. dist., marked T28S R5E S34 BT.								
	A pinon, 6 ins. dia., bears S. 13° W., 69 lks. dist., marked T28S R5E S33 BT.								
	A pinon, 8 ins. dia., bears N. $13^{\circ}30'$ W., 58 lks. dist., marked T28S R5E S28 BT.								
	Land, broken by sandstone ledges and deep gulches, with a general southeasterly exposure and drainage.								
	Soil, sandstone surface rock and shallow, sandy, loam, mixed with blue clay, lying on sandstone bed rock.								
	Undergrowth, scattering shadscale.								
	Timber, scattering cedar and pinon.								
	Fair grazing.								

East, on random line bet. secs. 27 and 34.

The S. breaks of Meek's Mesa, make chaining impossible.

E. of this cor., I therefore commence at a point, 20.73 chs. N. of the cor. secs. 27, 28, 33 and 34, and run a traverse line along top rim of mesa as follows.

Subdivision of T. 28 S., R. 5 E.

Chains	S. $65^{\circ}00'$ E., 43.80 chs. South 2.22 chs. to . . .
32.70	Point on true random line.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect the N. and S. line, 12 lks. N. of the cor. secs. 26, 27, 34 and 35. Thence, N. $83^{\circ}55'$ W., on true line bet. secs. 27 and 34. Descend gradually over rolling top of Meek's Mesa through scattering undergrowth of shadscale and scattering cedar and pinon timber.
28.40	Gulch, 50 ft. below cor., drains S.; ascend gradually.
40.05	On sandstone surface rock, 50 ft. above gulch; mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	$\frac{S27}{\frac{1}{4}}$ S34 1921
	From which, A pinon, 7 ins. dia., bears N. 14° E., 16 lks. dist., marked $\frac{1}{4}$ S27 BT. A pinon, 8 ins. dia., bears S. 26° E., 94 lks. dist., marked $\frac{1}{4}$ S34 BT.
40.40	Top of main ledge of the Capitol Reef Cliffs, bears NW. and SE., about 560 ft. high; to avoid ledges run traverse N., 2.28 chs., thence N. $65^{\circ}00'$ W., 43.80 chs. along S. rim of Meek's mesa to . . .
80.10	A point 20.73 chs. N. of the cor. secs. 27, 28, 33 and 34. Land, broken by sandstone ledges, with a general south- erly exposure and drainage. Soil, sandstone surface rock and shallow, sandy loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Fair grazing.

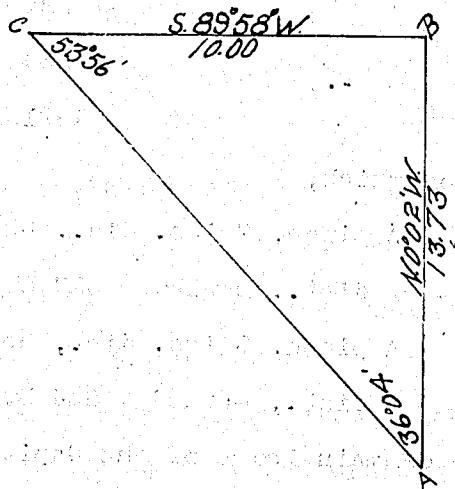
Subdivision of T. 28 S., R. 5 E.

Chains

N. $0^{\circ}02'$ W., bet. secs. 27 and 28.

Ascend gradually over broken sandstone ledges through scattering undergrowth of shadscale and scattering cedar and pinon timber.

7.00 Base of main ledge of the Capitol Reef Cliffs, 75 ft. above cor., bears N. 80° W. and S. 80° E., Inaccessible sandstone ledges make chaining to the N. of this point, impossible, I therefore determine the dist. to top of main ledge of the Capito Reef Cliffs, by triangulation as follows. Erect flag "A" at the 7.00 chs. point and flag "B" on line N. at top of ledge. From Flag "B", run a base line, S. $89^{\circ}58'$ W., 10.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $53^{\circ}56'$ from flag "B". All bearings checked by direct reading of the solar, and all angles checked by deflection



Distance on line 7.00 chs.

Distance by triangulation 13.73 chs.

20.73 chs.

20.73 To point of triangulation at top of main ledge of the Capitol Reef Cliffs, 630 ft. above base, bears N. 80° W. and S. 80° E.; ascend gradually over broken top of Meek's Mesa.

33.00 Ridge, 75 ft. above top of ledge, bears E. and W.; descend gradually.

40.00 On gentle N. slope of ridge, 35 ft. below top. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for sec. cor., with brass cap marked,

Subdivision of T. 28 S., R. 5 E.

Chains

$\frac{1}{4}$

S28 | S27

1921

From which,

A pinon, 6 ins. dia., bears N. 25° E., 10 lks.

dist., marked $\frac{1}{4}$ S27 BT.

A pinon, 6 ins. dia., bears S. 9° W., 13 lks.

dist., marked $\frac{1}{4}$ S28 BT.

55.00 Enter bare sandstone surface rock, bears E. and W.

61.50 Bottom of box canyon, 2.00 chs. wide, 500 ft. below the
 $\frac{1}{2}$ sec. cor., drains N. 80° E.; ascend nearly perpendicular
 N. wall of canyon.

64.20 Sandstone spur, 400 ft. above bottom of canyon, projects
 E.; descend nearly perpendicular S. wall of box canyon.

70.30 Bottom of box canyon, 2.00 chs. wide, 385 ft. below spur,
 drains N. 80° E.; ascend nearly perpendicular N. wall of
 canyon.

75.00 Ascent becomes more gradual, bears E. and W.

76.00 Leave bare sandstone surface rock, bears E. and W.

80.00 At base of sandstone ledge, 40 ft. high, 680 ft. above box
 canyon, bears N. and S.

Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in the
 ground to bed rock and in a mound of stone, for cor. secs.
 21, 22, 27 and 28, with brass cap marked,

T28S | R5E

S21 | S22

— | —

S28 | S27

1921

From which,

A pinon, 14 ins. dia., bears N. 84° E., 30 lks.

dist., marked T28S R5E S22 BT.

A pinon, 7 ins. dia., bears S. 66° E., 14 lks.

dist., marked T28S R5E S27 BT.

A pinon, 10 ins. dia., bears S. 42° W., 125 lks.

dist., marked T28S R5E S28 BT.

A pinon, 6 ins. dia., bears N. $76^\circ 15'$ W., 102 lks.

dist., marked T28S R5E S21 BT.

Subdivision of T. 28 S., R. 5 E.

	Chains	<p>Land, broken by deep canyons and sandstone ledges, with a general easterly exposure and drainage.</p> <p>Soil, sandstone surface rock and shallow, sandy loam; lying on sandstone bed rock.</p> <p>Undergrowth, scattering shadscale.</p> <p>Timber, scattering cedar and pinon.</p> <p>Fair grazing.</p>
40.00		<p>S. $89^{\circ}55'$ E., on random line bet. secs. 22 and 27.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
65.00		<p>The breaks of Spring Canyon make chaining to the E. of the this point impossible; I therefore offset as follows.</p> <p>S. $0^{\circ}05'$ W., 5.56 chs.</p> <p>S. $89^{\circ}55'$ E., 15.06 chs. to</p>
80.06		<p>Intersects the N. and S. line, 7 lks. S. of the witness cor. to the cor. secs. 22, 23, 26 and 27, which is 5.56 chs. S. $0^{\circ}01'$ E. of its true position.</p> <p>Thence.</p> <p>From the witness cor. to cor. secs. 22, 23, 26 and 27.</p> <p>N. $89^{\circ}58'$ W., on offset line bet. secs. 22 and 27.</p> <p>Descend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.</p>
10.00		<p>Head of deep canyon, 75 ft. below witness cor., drains N. 20° E.; ascend gradually.</p>
15.06		<p>Offset N. $0^{\circ}02'$ E., 5.56 chs. to true line, to point on N. rim of Meek's Mesa, and top of S. breaks of Spring Canyon, about 570 ft. high, bears N. 80° W. and S. 80° E.; thence N. $89^{\circ}58'$ W., on true line, ascend gradually over broken land.</p>
40.03		<p>On top of ridge, 250 ft. above rim of mesa, bears N. 80° E. and S. 80° W.; there being no iron post available.</p> <p>Set a hard red sandstone, 24 x 18 x 12 ins., 10 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{2}$ sec. cor., marked on N. face, cross (X) for exact cor point and,</p>

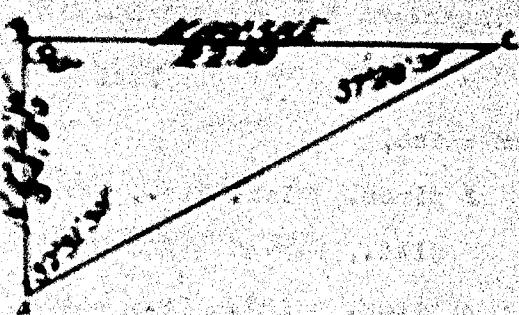
Subdivision of T. 28 S., R. 5 E.

Chains	
	115 ft.
	S22
	$\frac{1}{4}$
	S27
	1321
	From which,
	A pinon, 8 ins. dia., bears N. 10° E., 70 lks. dist., marked $\frac{1}{4}$ S22 BT.
	A pinon, 6 ins. dia., bears S. $8^{\circ}30'$ E., 21 lks. dist., marked $\frac{1}{4}$ S27 BT.
62.50	Draw, 115 ft. below ridge, drains NE.; ascend gradually.
73.30	Same ridge, 110 ft. above draw, bears NW. and SE.; descend gradually.
80.06	The cor. secs. 21, 22, 27 and 28, 75 ft. below ridge. Land, broken by sandstone ledges, with a general north- easterly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Fair grazing.
	N. $0^{\circ}02'$ W., bet. secs. 21 and 22. Ascend gradually over broken land through scattering under- growth of shadscale and scattering cedar and pinon timber.
4.00	Ridge, 35 ft. above cor., bears NW. and SE.; descend abruptly.
10.00	Top of abrupt descent over inaccessible sandstone ledges which form the N. rim of Meek's Mesa and the S. breaks of Spring Canyon, 150 ft. below ridge, bears E. and W. It being impossible to chain N. of this point, I determine the dist. to top of N. breaks of Spring Canyon by triang- ulation as follow. Erect flag "A" at the 10.00 chs. point, and flag on line N. at top of breaks. From flag "B", run a base line N. $89^{\circ}58'$ E., 22 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $57^{\circ}28'30"$. All bearings checked by direct

Subdivision of T. 28 S., R. 5 E.

Chains

reading of the solar and all angles checked by sextant



Distance on line 10.00 chs.
Distance by triangulation 34.50 chs.
 44.50 chs.

- Approximate topography bet. points of triangulation.
- 10.00 Point of Spring Canyon, 360 ft. below top of S. breaks, drains N. 60° E.; ascend abruptly over N. breaks of canyon.
- 11.00 Joint for the 1 sec. cor., fall in inaccessible sandstone ledge; no cor. set.
- 11.50 To point of triangulation at top of N. breaks of Spring Canyon, 570 ft. above bottom, bears N. 60° W. and S. 60° E.; on steep N. slope of smooth sandstone surface rock, where it is impossible to set an iron post for a permanent cor., mark a cross (X) for exact cor. point, and under cross (X), mark,
- | | |
|------|-----|
| 521 | 522 |
| X C | |
| 1221 | |
- for witness cor. to the 1 sec. cor. near. 21 and 22. Take a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. No suitable bearing trees available.
- 12.00 Spur, projects N.E., 130 ft. above the witness 1 sec. cor., descend abruptly.
- 12.50 Draw, 60 ft. below spur, drains S. 60° W.; ascend abruptly over broken sandstone ledges.
- 13.00 To broken sandstone ledges, 100 ft. above draw. Set an iron post, 2 ft. long, 2 in. dia., 12 lbs. in the ground in bed rock and in a mound of stone, for cor. posts 12, 13, 21 and 22, with brass cap marked.

Subdivision of T. 28 S., R. 5 E.

Chains

T28S R5E	
S16	S15
X	
S21	S22

1921

From which,

X

A: B O marked on a sandstone ledge, bears
S15.

N. 21° E., 7 lks. dist.

X

A: B O marked on a sandstone ledge, bears
S22

S. 40° E., 13 lks. dist.

X

A: B O marked on a sandstone ledge, bears
S21

S. 25° W., 12 lks. dist.

A pinon, 7 ins. dia., bears N. $31^{\circ}15'$ W., 9 lks.

dist., marked T28S. R5E S16 BT.

No other suitable bearing trees available.

Land, broken by sandstone ledges, with a general easterly exposure and drainage.

Soil, shallow, sandy, loam lying on sandstone bed rock, and sandstone surface rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Fair grazing.

S. $89^{\circ}58'$ E., on random line bet. secs. 15 and 22.

40.00 Set temp. sec. cor.

80.00 Intersect the N. and S. line, 5 lks. S. of the cor. secs. 14, 15, 22 and 23.

Thence,

west, on true line bet. secs. 15 and 22.

Descend gradually over steep N. slope of sandstone butte through scattering undergrowth of shadscale and scattering cedar and pinon timber.

8.00 Base of butte, 50 ft. below sec. cor., bears N. 80° E. and S. 80° W.; continue gradual descent.

Subdivision of T. 28 S., R. 5 E.

Chains	
18.40	Gulch, 75 ft. below base of butte, drains N. 60° E.; ascend abruptly.
40.00	On steep NE. slope of ridge, near top, 230 ft. above gulch, on sandstone surface rock; mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	S15
	S22
	1921
	From which, A pinon, 6 ins.. dia., bears N. 21° E., 5 lks. dist., marked S15 BT. A cedar, 8 ins. dia., bears S. $4^{\circ}30'$ W., 12 lks. dist., marked S22 BT.
41.50	Ridge, 50 ft. above the $\frac{1}{4}$ sec. cor., bears NW. and SE.; descend abruptly.
47.70	Head of draw, 270 ft. below ridge, drains S.; ascend gradually.
52.60	Sandstone spur, 100 ft. above draw, projects S.; descend gradually.
63.40	Gulch, 110 ft. below spur, drains S.. 70° E.; ascend abruptly.
79.00	Sandstone spur, 210 ft. above gulch, projects S.; descend abruptly.
80.00	The cor. secs. 15, 16, 21 and 22, 30 ft. below top of spur. Land, broken by sandstone ledges, with a general southeast-erly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Fair grazing.

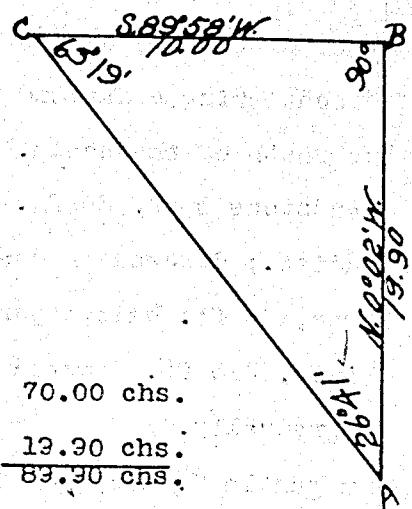
Subdivision of T. 28 S., R. 5 E.

Chains	
	N. $0^{\circ}02'$ W., bet. secs. 15 and 16.
	Ascend abruptly over broken sandstone ledges through scattering cedar and pinon timber and scattering under-growth of shadscale.
1.00	Sandstone spur, 30 ft. above cor., projects E., 2.00 chs. dist.; descend gradually.
5.20	Draw, 40 ft. below spur, drains N. 80° E.; ascend gradually.
24.80	Ridge, 315 ft. above draw, bears E. and W.; descend gradually.
40.00	On gentle N. slope of ridge, 30 ft. below top. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked,
	$\frac{1}{2}$ S16 | S15
	1921
	From which,
	A pinon, 6 ins. dia., bears N. 12° E., 64 lks. dist., marked $\frac{1}{4}$ S15 BT.
	A pinon, 26 ins. dia., bears S. $62^{\circ}30'$ W., 59 lks. dist., marked $\frac{1}{4}$ S16 BT.
42.00	Sandstone ledge, 30 ft. high, bears E. and W.
58.00	Gulch, 80 ft. below the $\frac{1}{2}$ sec. cor., drains S. 70° E.; ascend abruptly.
68.30	Ridge, 300 ft. above gulch, bears E. and W.; descend abruptly.
70.00	The N. rim of a deep box canyon, 100 ft. below top of ridge, bears E. and W. The inaccessible sandstone walls on the N. and S. sides of box canyon, make chaining to the N. of this point impracticable; I therefore determine the distance across canyon by triangulation as follows. Erect flag "A" at the 70.00 chs. point, and flag "B" on line N. across canyon. From flag "B", run a base line S. $89^{\circ}58'$ W., 10.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $63^{\circ}13'$. All bearings checked by direct reading of the solar and all

Subdivision of T. 28 S., R. 5 E.

Chains

angle checked by deflection.



Distance on line 70.00 chs.

Distance by triangulation 13.90 chs.
83.90 chs.

Approximate topography bet. points. of triangulation.

76.00 Bottom of box canyon, 300 ft. below top of S. rim, drains E.; ascend over inaccessible sandstone ledges which form the N. breaks of canyon.

80.00 Point for the sec. cor. falls in inaccessible sandstone ledges. No cor. set.

83.90 To point of triangulation at top of breaks on N. side of canyon, 350 ft. above bottom, bears E. and W.; on smooth sandstone surface rock, mark a cross (X) for exact cor. point; over which,

Set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for witness cor. to the cor. secs. 9, 10, 15 and 16, with brass cap marked,

T28S	R5E
S9	S10
S16	S15
W	C

1921

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. No suitable bearing trees available.

Land, broken by sandstone ledges and deep canyons, with a general easterly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon. Fair grazing.

Note: Line between Secs. 10 and 15 unsurveyable on account of impassable ledges.

Subdivision of T. 28 S., R. 5 E.

Chains	From the true point for cor. secs. 9, 10, 15 and 16. N. $0^{\circ}02'$ W., bet. secs. 9 and 10. Ascend abruptly over inaccessible sandstone ledges through scattering undergrowth of shadscale and scattering cedar and pinon timber.
9.30	The witness cor. to the cor. secs. 9, 10, 15 and 16; thence ascend gradually over broken land.
23.00	Ridge, 150 ft. above the witness sec. cor., bears E. and W.; descend gradually.
32.00	Seeing that the true point for the $\frac{1}{4}$ sec. cor. will fall in sandstone ledges where cor. cannot be set; at this point, on smooth sandstone surface rock, 110 ft. below ridge, mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 9 and 10, with brass cap marked,
	 WC S10 X 1921
	From which,
	A cross (X) cut in smooth sandstone surface rock, bears E., 5 lks. dist., with marks WC & S10.
	A cross (X) cut in smooth sandstone surface rock, bears W., 5 lks. dist.; with marks WC & S9.
	Thence, descend abruptly over broken sandstone ledge, bears E. and W.
40.00	True point for the $\frac{1}{4}$ sec. cor.: falls in sandstone ledges where a permanent cor. cannot be set. No cor. set.
44.80	Bottom of deep canyon, 360 ft. below the witness $\frac{1}{4}$ sec. cor. drains S. 70° E.; ascend abruptly.
63.90	Ridge, 270 ft. above canyon; bears E. and W.; descend gradually.
73.00	Gulch, 115 ft. below ridge, drains E.; ascend gradually.
80.00	On steep S. slope of bench, 100 ft. above gulch.

Subdivision of T. 28 S., R. 5 E.

Chains	<p>Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 3, 4, 9 and 10, with brass cap marked.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T28S</td><td>R5E</td></tr> <tr> <td>S4</td><td>S3</td></tr> <tr> <td colspan="2"><hr/></td></tr> <tr> <td>S9</td><td>S10</td></tr> </table> <p style="text-align: center;">1921</p> <p>From which,</p> <p>A cedar, 6 ins. dia., bears N. 47° E., 170 lks. dist., marked T28S R5E S3 BT.</p> <p>A pinon, 8 ins. dia., bears S. 27° E., 160 lks. dist., marked T28S R5E S10 BT.</p> <p>A cedar, 6 ins. dia., bears S. 19° W., 21 lks. dist., marked T28S R5E S9 BT.</p> <p>A cedar, 6 ins. dia., bears N. 46° W., 170 lks. dist., marked T28S R5E S4 BT.</p> <p>Land, broken by sandstone ledges and deep canyon, with a general easterly exposure and drainage.</p> <p>Soil, shallow, sandy, loam; lying on sandstone bed rock.</p> <p>Undergrowth, scattering shadscale.</p> <p>Timber, scattering cedar and pinon. Fair grazing.</p> <p>Note: Line between secs. 3 and 10 unsurveyable on account of impassable ledges.</p> <hr/> <p>N. $0^{\circ}02'$ W., bet. secs. 3 and 4.</p> <p>Ascend gradually over rolling S. slope of bench through scattering undergrowth of shadscale and scattering cedar and pinon timber.</p>	T28S	R5E	S4	S3	<hr/>		S9	S10
T28S	R5E								
S4	S3								
<hr/>									
S9	S10								
10.30	Enter rolling top of bench, 75 ft. above cor., bears E. and W.; thence, ascend gradually over rolling top of bench.								
26.30	Top of ridge, 100 ft. above S. edge of bench, bears E. and W.; descend gradually.								
40.00	On gentle N. slope, 50 ft. below top of ridge. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked,								

Subdivision of T. 28 S., R. 5 E.

Chains

S4	S3
----	----

1921

From which,

A pinon, 14 ins. dia., bears N. 87° E., 50 lks.

dist., marked $\frac{1}{4}$ S3 BT.

A pinon, 10 ins. dia., bears S. 11° W., 14 lks.

dist., marked $\frac{1}{4}$ S4 BT.

43.00 The N. edge of bench, 45 ft. below the sec. cor., bears E. and W.; descend abruptly.

44.00 Gulch, 50 ft. below edge of bench, drains S. 70° E.; ascend gradually.

56.80 East point of sandstone spur from high sandstone butte, 115 ft. above gulch; descend abruptly.

64.00 Draw, 300 ft. below point of spur, drains SE.; ascend abruptly.

74.00 Ascent becomes more gradual, bears E. and W.

80.00 On rolling land, 160 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 3, 4, 33 and 34, with brass cap marked,

T27S	R5E
S33	S34

S4	S3
----	----

T28S

1921

From which,

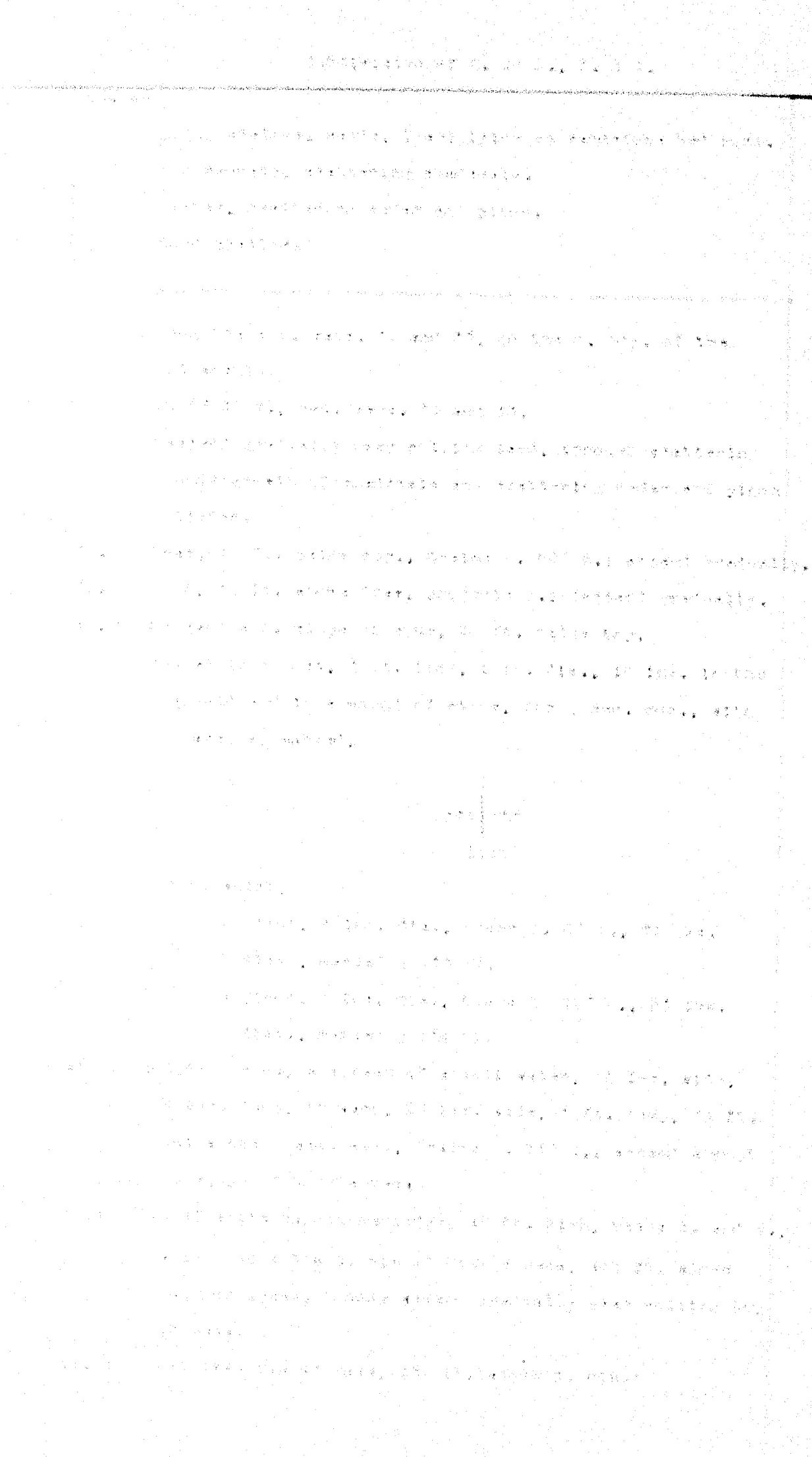
A cedar, 12 ins. dia., bears N. 10° E., 80 lks.
dist., marked T27S R5E S34 BT.

A pinon, 10 ins. dia., bears S. 33° E., 24 lks.
dist., marked T28S R5E S3 BT.

A pinon, 8 ins. dia., bears S. 41° W., 84 lks.
dist., marked T28S R5E S4 BT.

A pinon, 8 ins. dia., bears N. 84° W., 133 lks.
dist., marked T27S R5E S33 BT.

Land, rolling, with a general easterly exposure and drainage.



Subdivision of T. 28 S., R. 5 E.

Chains

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 28, 29, 32 and 33, with brass cap marked,

T28S	R5E
S29	S28
S32	S33

1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

Land, rolling, with a general southerly exposure and drainage.

Soil, shallow, sandy loam, mixed with blue clay; lying on red sandstone bed rock.

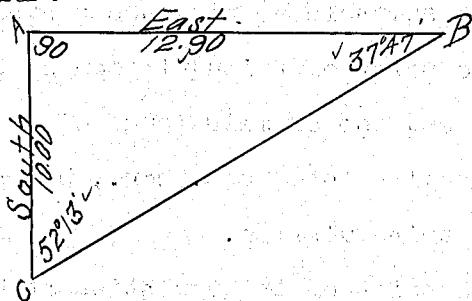
Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Good grazing.

East, on random line bet. secs. 28 and 33.

- 10.00 Base of main ledge of the Capitol Reef Cliffs, make chaining to the E. of this point impossible; I therefore determine the dist. to top of ledge by triangulation as follows.
 Erect flag "A" at the 10.00 chs. point and flag "B" on line E. at top of ledge. From flag "A", run a base line S., 10.00 chs. dist. and erct flag "C". From flag "C", flag "B" subtends an angle of $52^{\circ}13'$ from flag "A". All angles checked by deflection and all bearings checked by direct reading of the solar.



Distance on line 10.00 chs.

Distance by triangulation 12.90 chs.

22.90 chs.

- 22.30 To point of triangulation.

Subdivision of T. 28 S., R. 5 E.

Chains	
40.00	Set temp. $\frac{1}{2}$ sec. cor.
55.00	The E. breaks of Meek's Mesa and the main ledge of the Capitol Reef Cliffs, make chaining east of this point impossible; I therefore offset as follows. North, 27.28 chs. East, 25.00 chs. South, 27.28 chs. to,
80.00	The cor. secs. 27, 28, 33 and 34. Thence, from a point, 27.28 chs. N. of the cor. secs. 27, 28, 33 and 34. West, on offset line bet. secs. 28 and 33. Ascend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
25.00	Offset S., 27.28 chs. to true line, to a point on E. rim of Meek's Mesa and top of main ledge of the Capitol Reef Cliffs, about 680 ft. high, bears N. and S.; thence over broken top of Meek's Mesa.
40.00	On red sandstone spur, 115 ft. above rim of mesa, projects S., on sandstone surface rock; mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked,
	S28 $\frac{1}{4}$ _____ S33
	1921
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable bearing trees available.
57.10	To point of triangulation on top of W. rim of Meek's Mesa and top of main ledge of the Capitol Reef Cliffs, 115 ft. below the $\frac{1}{2}$ sec. cor., bears N. and S.; thence by triangulation.
70.00	To point of triangulation at base of ledge, 300 ft. below top, bears N. and S.; descend gradually.
80.00	The cor. secs. 28, 29, 32 and 33, 75 ft. below base of ledge.

Subdivision of T. 28 S., R. 5 E.

Chains

Land, broken by sandstone ledges, with a general southerly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Fair grazing.

N. $0^{\circ}03'$ W., bet. secs. 28 and 29.

Ascend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.

10.50 Spur, 50 ft. above cor., projects SW.; descend gradually.

13.70 Gulch, 35 ft. below spur, drains SW.; ascend abruptly.

33.40 Top of sandstone rim ledge, 260 ft. above gulch, bears NE. and SW.; thence over broken land.

40.00 On broken top of mesa, 50 ft. above S. rim.
Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,

$\frac{1}{4}$
S29 | S28

1921

From which,

A pinon, 14 ins. dia., bears N. 84° E., 56 lks.
dist., marked $\frac{1}{4}$ S28 BT.

A pinon, 12 ins. dia., bears S. 58° W., 37 lks.
dist., marked $\frac{1}{4}$ S29 BT.

43.82 Left flag point.

54.00 Base of the main ledge of the Capitol Reef Cliffs, 75 ft. above the $\frac{1}{4}$ sec. cor., bears E. and W.; as it is impossible to chain to the N. from this point, I return to the 43.82 chs. point, and determine the distance to top of Main ledge of the Capitol Reef Cliffs by triangulation as follows. Erect flag "A" at the this point, and flag

Subdivision of T. 28 S., R. 5 E.

Chains	<p>"B" at top of main ledge. From flag "A", run a base line S. $89^{\circ}57'$ W., 9.55 chs. dist. and erect flag "C". From flag "B", flag "C" subtends an angle of $34^{\circ}17'$ from flag "A". All bearing checked by direct reading of the solar, and all angles checked by deflection.</p>								
	<p>Distance on line 43.82 chs. Distance by triangulation 14.01 chs. 57.83 chs.</p>								
57.83	To point of triangulation at top of main ledge of the Capitd Reef Cliffs and the S. rim of Meek's Mesa, 600 ft. above base, bears E. and W.; thence ascend gradually over broken top of mesa through dense cedar and pinon timber, bears E. and W.								
62.80	Box gulch, 100 lks. wide, 180 ft. deep, drains SE.								
80.00	On broken top of Meek's Mesa, 150 ft. above S. rim. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 20, 21, 28 and 29, with brass cap marked,								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T28S</td><td>R5E</td></tr> <tr> <td>S20</td><td>S21</td></tr> <tr> <td colspan="2" style="text-align: center;"> </td></tr> <tr> <td>S29</td><td>S28</td></tr> </table> <p style="text-align: center;">1321</p>	T28S	R5E	S20	S21			S29	S28
T28S	R5E								
S20	S21								
S29	S28								
	From which,								
	A pinon, 8 ins. dia., bears N. 17° E., 38 lks. dist., marked T28S R5E S21 BT.								
	A pinon, 8 ins. dia., bears S. 8° E., 103 lks. dist., marked T28S R5E S28 BT.								
	A pinon, 10 ins. dia., bears S. 74° W., 88 lks. dist., marked T28S R5E S29 BT.								

Subdivision of T. 26 S., R. 5 E.

Chains	<p>A pinon, 14 ins. dia., bears N. 73° W., 51 lks. dist., marked T28S R5E S20 BT.</p> <p>Land, broken by sandstone ledges, with a general southerly exposure and drainage.</p> <p>Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.</p> <p>Undergrowth, scattering shadscale.</p> <p>Timber, scattering cedar and pinon.</p> <p>Good grazing.</p>
40.00	East, on random line bet. secs. 21 and 28. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect the N. and S. line, 12 lks. N. of the cor. secs. 21, 22, 27 and 28. Thence, N. $89^{\circ}55'$ W., on true line bet. secs. 21 and 28.
1.30	Ascend abruptly over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
15.50	East point of sandstone ledge, 40 ft. above the sec. cor.; descend gradually.
30.80	Gulch, 50 ft. below ledge, drains SE.; ascend gradually.
40.02	Spur, 100 ft. above gulch, projects S.; descend gradually. On gentle N. slope, 30 ft. below spur. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	$\frac{1}{4}$ S21 — S28
	1921
	From which,
	A pinon, 10 ins. dia., bears N. 5° W., 52 lks. dist., marked $\frac{1}{4}$ S21 BT.
	A pinon, 8 ins. dia., bears S. 15° E., 77 lks. dist., marked $\frac{1}{4}$ S28 BT.

Subdivision of T. 28 S., R. 5 E.

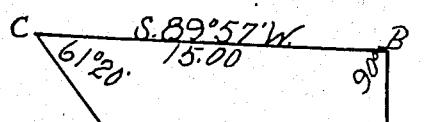
Chains

- 56.50 Swale, 75 ft. below the $\frac{1}{2}$ sec. cor., drains N.; ascend gradually.
- 80.04 The cor. secs. 20, 21, 28 and 29, 30 ft. above swale. Land, broken by sandstone ledges, with a general northerly exposure and drainage.
- Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.
- Undergrowth, scattering shadscale.
- Timber, scattering cedar and pinon.
- Good grazing.

N. $0^{\circ}03'$ W., bet. secs. 20 and 21.

Descend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.

- 5.00 North rim of Meek's Mesa and top of S. breaks of Spring Canyon, 50 ft. below cor., bears E. and W. Inaccessible sandstone ledges make chaining to the N. of this point, impossible; I therefore determine the dist. by triangulation to bottom of breaks as follows. Erect flag "A" at the 5.00 chs. point and flag "B" on line N. at bottom of breaks. From flag "B", run a base line, S. $89^{\circ}57'$ W., 15.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $61^{\circ}20'$ from flag "B". All bearings checked by direct reading of the solar, and all angles checked by deflection.



Distance on line 5.00 chs.

Distance by triangulation 27.44 chs.

32.44 chs.

$25^{\circ}40'$ - N. $0^{\circ}03'$ W.
27.44

Subdivision of T. 28 S., R. 5 E.

Chains

- 32.44 To point of triangulation at bottom of inaccessible sandstone ledges, 540 ft. below top, bears E. and W.; Seeing that the true point for the $\frac{1}{4}$ sec. cor., will fall in sandstone ledges were it will be impossible to set a permanent cor.; at this point, Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 20 and 21, with brass cap marked,

W C
1/4
S20 | S21

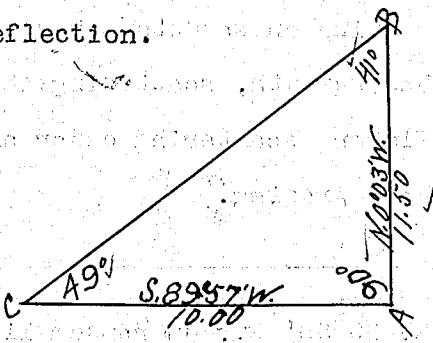
1921

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No suitable bearing trees available.

Continue abrupt descent over broken sandstone ledges.

40.00 Point for the $\frac{1}{4}$ sec. cor. falls in sandstone ledges were permanent cor. cannot be set; no cor. set.

48.00 Bottom of Spring Canyon, 210 ft. below the witness $\frac{1}{4}$ sec. cor. drains S. 80° E. Inaccessible sandstone ledges which form the N. breaks of Spring Canyon, make chaining impossible to the N. of this point, I therefore determine the dist. to top of N. breaks by triangulation as follows. Erect flag "A" at the 48.00 chs. point, and flag "B" on line N. at top of breaks. From flag "A", run a base line S. $89^\circ 57'$ W., 10.00 chs. dist. and erect flag "C". From flag "C", "A B A" subtends an angle of 49° . All bearings checked by direct reading of the solar, and all angles checked by deflection.



Distance on line 48.00 chs.
Distance by triangulation 11.50 chs.
59.50 chs.

Subdivision of T. 26 S., R. 5 E.

Chains

- 53.50 To point of triangulation at top of N. breaks of Spring Canyon, 630 ft. above bottom, bears E. and W.; ascend abruptly.
- 73.20 South edge of flat top ridge, 450 ft. above top of N. breaks, bears E. and W.; thence over flat top of ridge.
- 75.80 North edge of flat top ridge, bears E. and W.; descend abruptly.
- 80.00 On steep N. slope of ridge, 100 ft. below top.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 16, 17, 20 and 21, with brass cap marked,

T28S	R5E
S17	S16
S20	S21

1921

From which,

A pinon, 10 ins. dia., bears N. 69° E., 15 lks. dist., marked T28S R5E S16 BT.

A pinon, 12 ins. dia., bears S. 13° E., 33 lks. dist., marked T28S R5E S21 BT.

A pinon, 8 ins. dia., bears S. 60° W., 15 lks. dist., marked T28S R5E S20 BT.

A pinon, 10 ins. dia., bears N. 51° W., 41 lks. dist., marked T28S R5E S17 BT.

Land, broken by sandstone ledges, with a general easterly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Hair grazing.

S. $69^{\circ}55'$ E., on random line bet. secs. 16 and 21.

40.00 Set temp. 1 sec. cor.

60.00 Intersect the N. and S. line, 3 lks. S. of the cor. secn. 16, 17, 21 and 22.

Subdivision of T. 28 S., R. 5 E.

Chains

- Thence, N. 89°56' W., on true line bet. secs. 16 and 21. Descend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
- 2.50 Head of draw, 50 ft. below cor., drains SE.; ascend abruptly.
- 9.50 Spur, 150 ft. above draw, projects S., descend abruptly.
- 17.00 Gulch, 100 ft. below spur, drains S.; ascend gradually.
- 40.03 On gentle NE. slope, 75 ft. above gulch.
Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to bed rock and in a mound of stone, for sec. cor., with brass cap marked,
- S16

S21
- 1921
- From which,
A pinon, 6 ins. dia., bears N. 20°30' E., 21 lks. dist., marked $\frac{1}{4}$ S16 BT.
A pinon, 12 ins. dia., bears S. 78°15' W., 58 lks. dist., marked $\frac{1}{4}$ S21 BT.
- 53.00 Draw, 100 ft. above the $\frac{1}{4}$ sec. cor., drains N. 70° E.; ascend abruptly.
- 80.06 The cor. secs. 16, 17, 20 and 21, 300 ft. above draw. Land, broken by sandstone ledges, with a general south-easterly exposure and drainage.
Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.
Undergrowth, scattering shadscale.
Timber, scattering cedar and pinon.
Good grazing.
-
- N. 0°03' W., bet. secs. 16 and 17. Descend abruptly over broken land through scattering cedar and pinon timber and scattering undergrowth of shadscale.

Subdivision of T. 28 S., R. 5 E.

Chains	
25.00	Gulch, 300 ft. below cor., drains E.; ascend gradually.
40.00	On sandstone ridge, 150 ft. above gulch, bears E. and W.; mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	$\frac{1}{4}$
	S17 | S16
	1921
	From which;
	A pinon, 6 ins. dia., bears S. $21^{\circ}30'$ E., 33 lks. dist., marked $\frac{1}{4}$ S16 BT.
	A pinon, 14 ins. dia., bears S. 41° W., 57 lks. dist., marked $\frac{1}{4}$ S17 BT.
48.70	Draw, 100 ft. below the $\frac{1}{4}$ sec. cor., drains N. 70° E.; ascend gradually.
62.50	Ridge, 100 ft. above draw, bears E. and W.; descend gradually.
69.00	Gulch, 80 ft. below ridge, drains NE.; ascend gradually.
78.50	Spur, 70 ft. above gulch, projects NE.; descend gradually.
80.00	On gentle N. slope, 30 ft. below spur; on sandstone surface rock; mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for cor. secs. 8, 9, 16 and 17, with brass cap marked,
	T28S | R5E S8 | S9
	S17 | S16
	1921
	From which,
	A pinon, 6 ins. dia., bears N. 52° E., 27 lks. dist., marked T28S R5E S9 BT.
	A pinon, 6 ins. dia., bears S. 22° E., 12 lks. dist., marked T28S R5E S16 BT.
	A pinon, 8 ins. dia., bears S. 88° W., 86 lks. dist., marked T28S R5E S17 BT.

Subdivision of T. 28 S., R. 5 E.

Chains	A pinon, 6 ins. dia., bears N. $20^{\circ}30'$ W., 41 lks. dist., marked T28S R5E S8 ET. Land, broken by sandstone ledges, with a general northerly exposure and drainage. Soil, shallow, sandy, loam; lying on sandstone bed rock and sandstone surface rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Fair grazing.
	S. $89^{\circ}56'$ E., on random line bet. secs. 9 and 16.
31.20	Seeing that the true point for the $\frac{1}{4}$ sec. cor., will fall in sandstone ledges were a permanent cor. cannot be set. at this point, set temp. $\frac{1}{4}$ sec. cor.
40.00	Point falls in sandstone ledges.
20.00	Intersect the N. and S. line, 9 lks. S. of the true point for cor. secs. 9, 10, 15 and 16. Thence,
	From the true point for cor. secs. 9, 10, 15 and 16, West, on true line bet. secs. 9 and 16. Ascend gradually along bottom of box canyon through scattering undergrowth of shadscale and scattering cedar and pinon timber.
10.00	Begin abrupt ascent from canyon, bears NW. and SE.
14.70	Top of abrupt ascent from canyon, 380 ft. above sec. cor., bears N. 80° W. and S. 80° E.; ascend gradually.
18.00	Sandstone spur, 45 ft. above top of ascent from canyon, projects S.; descend abruptly over nearly inaccessible sandstone ledges.
40.00	Point for the $\frac{1}{4}$ sec. cor. falls in sandstone ledges were a permanent cor. cannot be set; no cor. set.
47.00	Bottom of said box canyon, 430 ft. below spur, drains S. 80° E.; ascend abruptly.
48.80	On steep NE. slope of smooth sandstone surface rock, where

Subdivision of T. 28 S., R. 5 E.

Chains	
	it is impossible to set an iron post, mark W.C. $\frac{1}{4}$ S. for the witness $\frac{1}{4}$ sec. cor. to the cor. secs. 9 and 16.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, SW. of cor., 35 lks. dist.
	No suitable bearing trees, or other place for the mound of stone available.
55.00	Top of abrupt ascent from box canyon, 380 ft. above bottom, bears N. 80° W. and S. 80° E.; ascend gradually.
58.00	Sandstone spur, 35 ft. above top of abrupt ascent, projects N.; descend gradually.
80.00	The cor. secs. 8, 9, 16 and 17, 160 ft. below spur. Land, broken by sandstone ledge, with a general easterly exposure and drainage, Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Fair grazing.
	N. $0^\circ 0' 3''$ W., bet. secs. 8 and 9.
	Descend abruptly over broken sandstone ledges through scattering undergrowth of shadscale and scattering cedar and pinon timber.
7.70	Bottom of box canyon, 250 ft. below cor., drains SE.; ascend abruptly over nearly inaccessible sandstone ledges.
14.00	Top of abrupt ascent from box canyon, 510 ft. above bottom, bears NW. and SE.; ascend gradually.
40.00	On gentle S. slope, 310 ft. above top of abrupt ascent. Set an iron post, 3 ft. long, 1 in. dia., 15 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	$\frac{1}{4}$
	S8 | S9
	1921

Subdivision of T. 28 S., R. 5 E.

Chains	<p>From which,</p> <p>A pinon, 12 ins. dia., bears N. 84° E., 22 lks. dist., marked $\frac{1}{4}$ S9 BT</p> <p>A pinon, 8 ins. dia., bears N. 52° W., 47 lks. dist., marked $\frac{1}{4}$ S8 BT.</p> <p>47.00 Ridge, 25 ft. above the sec. cor., bears NW. and SE.; descend abruptly.</p> <p>78.90 Gulch, 320 ft. below ridge, drains S. 70° E.; ascend abruptly.</p> <p>80.00 On steep S. slope, 50 ft. above gulch, on sandstone surface rock, mark a cross(X) for exact cor. point, over which, Set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for cor. secs. 4, 5, 8 and 9, with brass cap marked,</p>								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T28S</td><td>R5E</td></tr> <tr> <td>S5</td><td>S4</td></tr> <tr> <td colspan="2">-----</td></tr> <tr> <td>S8</td><td>S9</td></tr> </table> <p style="text-align: center;">1921</p> <p>From which,</p> <p>A pinon, 8 ins. dia., bears N. 34° E., 47 lks. dist., marked T28S R5E S4 BT.</p> <p>A pinon, 7 ins. dia., bears S. $53^{\circ}30'$ E., 66 lks. dist., marked T28S R5E S9 BT.</p> <p>A pinon, 8 ins. dia., bears S. 35° W., 54 lks. dist., marked T28S R5E S8 BT.</p> <p>A pinon, 10 ins. dia., bears N. $88^{\circ}30'$ W., 35 lks. dist., marked T28S R5E S5 BT.</p> <p>Land, broken by sandstone ledges, with a general easterly exposure and drainage.</p> <p>Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.</p> <p>Undergrowth, scattering shadscale.</p> <p>Timber, scattering cedar and pinon.</p> <p>Good grazing.</p>	T28S	R5E	S5	S4	-----		S8	S9
T28S	R5E								
S5	S4								

S8	S9								

Subdivision of T. 28 S., R. 5 E.

Chains	
40.00	East, on random line bet. secs. 4 and 9. Set temp. $\frac{1}{4}$ sec. cor.,
79.30	Intersect the N. and S. line, 9 lks. S. of the cor. secs. 3, 4, 9 and 10. Thence, S. $89^{\circ}56'$ W., on true line bet. secs. 4 and 9.
	Descend gradually over rolling land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
.30	Wash, 30 lks. wide, 5 ft. deep; drains S.; ascend gradually.
5.90	Spur, 30 ft. above cor., projects S.; descend gradually.
6.00	Gulch, 50 ft. below spur, drains S. 70° E.; ascend gradually.
16.30	Spur, 130 ft. above gulch, projects N., descend gradually.
39.95	On rolling land, 200 ft. below spur. Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	<u>S4</u> <u>S9</u>
	1921
	From which, A pinon, 10 ins. dia., bears N. 47° E., 54 lks. dist., marked $\frac{1}{4}$ S4 BT.
	A pinon, 8 ins. dia., bears S. $33^{\circ}30'$ W., 54 lks. dist., marked $\frac{1}{4}$ S9 BT.
47.80	Gulch, 30 ft. below the $\frac{1}{4}$ sec. cor., drains N. 10° E., ascend gradually.
60.00	Ridge, 75 ft. above gulch, bears NW. and SE.; descend gradually.
75.20	Gulch, 60 ft. below ridge, drains NE.; ascend gradually.
79.30	The cor. secs. 4, 5, 8 and 9, 45 ft. above gulch. Land, broken by sandstone ledges, with a general north-easterly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.

Subdivision of T. 28 S., R. 5 E.

Chains	<p>Undergrowth, scattering shadscale.</p> <p>Timber, scattering cedar and pinon.</p> <p>Fair grazing...</p>
	N. $0^{\circ}02'$ W., on random line bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect the N. bdy. of the township, 3 lks. W. of the cor. secs. 4, 5, 32 and 33. Thence,
	S. $0^{\circ}02'$ W., on true line bet. secs. 4 and 5.
	Descend gradually over rolling land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
2.80	Wash, 50 lks. wide, 5 ft. deep, 30 ft. below cor., drains S. 70° E.; ascend gradually.
17.00	Base of nearly perpendicular sandstone ledge, 75 ft. above wash, bears E. and W.; ascend abruptly.
17.60	Top of ledges, 50 ft. above base, bears E. and W.; continue abrupt ascent.
18.60	Ridge, 45 ft. above top of ledge, bears E. and W.; descend gradually.
40.02	On N. edge of Paradise Flat, 135 ft. below ridge, bears E. and W. Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	S5 | S4
	1921
	From which,
	A pinon, 10 ins. dia., bears N. $32^{\circ}15'$ W., 59 lks. dist., marked $\frac{1}{4}$ S5 BT.
	A pinon, 14 ins. dia., bears S. 25° E., 4 lks. dist., marked $\frac{1}{4}$ S4 BT.

Subdivision of T. 28 S., R. 5 E.

Chains	
	thence, descend gradually over rolling bottom of flat.
62.70	Leave Paradise Flat, bears E. and W.; ascend gradually.
66.00	Spur, 130 ft. above the $\frac{1}{2}$ sec. cor., projects E.; descend abruptly.
71.00	Gulch, 150 ft. below spur, drains S. 70° E.; ascend abruptly.
77.80	Spur, 75 ft. above gulch, projects E.; descend gradually.
80.02	The cor. secs. 4, 5, 8 and 9, 20 ft. below spur. Land, rolling, with a general easterly exposure and drainage. Soil, shallow, sandy loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Good grazing.
	From the cor. secs. 31 and 32, on the S. bdy. of the township.
	N. $0^{\circ}03'$ W., bet. secs. 31 and 32.
	Descend gradually over rolling land, through scattering undergrowth of shadscale.
5.00	Small stream of alkali water, 10 lks. wide, 3 ins. deep, in bottom of wash, 50 lks. wide, 20 ft. deep, drains S. 80° E.; ascend gradually.
8.00	Base of red sandstone point, about 300 ft. high, projects E. It being impossible to chain N. of this point on account of sandstone point, I offset as follows. N. $83^{\circ}57'$ E., 15.00 chs. N. $0^{\circ}03'$ W., 29.20 chs. S. $83^{\circ}57'$ W., 15.00 chs. to,
37.20	Point on true line at base of N. side of sandstone point, bears E. and W.; thence descend gradually.
39.50	Wash, 30 lks. wide, 5 ft. deep, 40 ft. below base of sandstone point, drains E.; ascend gradually.
40.00	On N. bank of wash. Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked,

Subdivision of T. 28 S., R. 5 E.

Chains

S31 | S32

1920

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 40.70 Spur, 15 ft. above wash, projects E.; descend gradually.
- 42.00 Gulch, 50 ft. below spur, drains E.; ascend abruptly.
- 57.70 Point of red sandstone spur, 140 ft. above gulch, projects E.; descend abruptly.
- 59.10 Draw, 60 ft. below spur, drains S. 70° E.; ascend abruptly.
- 62.00 Spur, 210 ft. above draw, projects E.; enter scattering cedar and pinon timber, bears E. and W.; descend abruptly.
- 68.30 Sulphur Creek, stream of alkali water, 10 lks. wide, 3 ins. deep, in wash, 60 lks. wide, 6 ft. deep, drains S. 80° E.; ascend abruptly.
- 73.00 Spur, 150 ft. above creek, projects W.; descend abruptly.
- 80.00 On broken E. slope, 110 ft. below spur.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 29, 30, 31 and 32, with brass cap marked,

T28S R5E
S30 | S29

S31 | S32

1920

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
No suitable bearing trees available.
- Land, broken by sandstone ledges, with a general south-easterly exposure and drainage.
- Soil, shallow, sandy, loam; mixed with red and blue clay; lying on sandstone bed rock.
- Undergrowth, scattering shadscale.
- Timber, scattering cedar and pinon on N. 18.00 chs.; none remainder of mile.
- Fair grazing.

N. $89^\circ 55'$ E.
on random line bet. secs. 29 and 32.40.00 Set temp. $\frac{1}{2}$ sec. cor.

Subdivision of T. 28 S., R. 5 E.

Chains

- 60.10 Intersect the N. and S. line, 63 lks. N. of the cor. secs. 28, 29, 32 and 33.
Thence,
N. $83^{\circ}51'$ W., on true line bet. secs. 29 and 32.
Descend abruptly over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
- 18.00 Gulch, 160 ft. below cor., drains S.; ascend abruptly.
- 40.05 On gentle NE. slope, 140 ft. above gulch.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground; for $\frac{1}{2}$ sec. cor., with brass cap marked,
- $$\begin{array}{c} \text{S29} \\ \hline \text{S32} \\ 1320 \end{array}$$
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable bearing trees available.
- 44.00 Ridge, 75 ft. above the $\frac{1}{2}$ sec. cor., bears N. and S.; descend abruptly.
- 64.30 Wash, 40 lks. wide, 5 ft. deep, drains S. 30° W., 180 ft. below ridge; ascend gradually.
- 68.00 Spur, 30 ft. above wash, projects S.; descend gradually.
- 70.00 Gulch, 30 ft. below spur, drains S. 60° E.; ascend gradually.
- 80.10 The cor. secs. 29, 30, 31 and 32, 60 ft. above gulch.
Land, broken by sandstone ledges, with a general southerly exposure and drainage.
Soil, shallow, sandy, loam; mixed with blue clay; lying on sandstone bed rock.
Undergrowth, scattering shadscale.
Timber, scattering cedar and pinon.
Fair grazing.
-
- S. $83^{\circ}51'$ W. on random line bet. secs. 30 and 31.
- 40.00 Set temp. $\frac{1}{2}$ sec. cor.

Subdivision of T. 28 S., R. 5 E.

Chains

79.92

Intersect the W. bdy. of the township, 19 lks. S. of the cor. secs. 25, 30, 31 and 36.

Thence,

N. $89^{\circ}59'$ E., on true line bet. secs. 30 and 31.

Ascend abruptly over broken sandstone ledges through scattering undergrowth of shadscale and scattering cedar and pinon timber.

3.00

Spur, 110 ft. above cor., projects SE.; descend abruptly.

12.00

Gulch, 75 ft. below spur, drains S. 20° E.; ascend abruptly.

30.60

Ridge, 405 ft. above gulch, bears NW. and SE.; descend abruptly.

38.00

Gulch, 80 ft. below ridge, drains N. 30° E.; ascend abruptly.

39.00

Spur, 30 ft. above gulch, projects N.; descend gradually.

39.92

On gentle E. slope of spur, 15 ft. below top; on sandstone surface rock, mark a cross (X) for exact cor. point, over which,

Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,

S30

S31

1321

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable bearing trees available.

42.00

Gulch, 30 ft. below the $\frac{1}{4}$ sec. cor., drains SE.; ascend gradually.

57.50

Ridge, 80 ft. above gulch, bears NW. and SE.; descend abruptly.

76.00

Sulphur Creek, stream of alkali water, 10 lks. wide, 3 ins. deep, in bottom of gulch, 535 ft. below ridge, drains SE.; ascend abruptly.

78.00

Spur, 60 ft. above creek, projects S.; descend abruptly.

79.92

The cor. secs. 29, 30, 31 and 32, 60 ft. below spur.

Land, broken by sandstone ledges and deep gulches, with a general southerly exposure and drainage.

Soil, shallow, sandy, loam; lying on sandstone bed rock.

Subdivision of T. 28 S., R. 5 E.

Chains

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Fair grazing.

N. $0^{\circ}03'$ W., bet. secs. 29 and 30.

Ascend abruptly over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.

20.00 Ridge, 100 ft. above cor., bears E. and W.; ascend gradually.

35.00 Sandstone ledge, 40 ft. high, 150 ft. above ridge, bears E. and W.; continue gradual ascent.

40.00 On gentle S. slope, 40 ft. above ledge.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked,

S30 | S29

1921

From which,

A pinon, 8 ins. dia., bears N. 16° W., 121 lks.
dist., marked $\frac{1}{2}$ S30 BT.

A pinon, 6 ins. dia., bears S. 75° E., 60 lks.
dist., marked $\frac{1}{2}$ S29 BT.

45.20 South rim of gulch, 35 ft. above the $\frac{1}{2}$ sec. cor., bears NE. and SW.; descend abruptly.

50.00 Gulch, 80 ft. below S. rim, drains SW.; ascend abruptly.

56.00 North rim of gulch, 30 ft. above bottom, bears NE. and SW.; ascend gradually.

80.00 At base of the main ledge of the Capitol Reef Cliffs, 75 ft. above N. rim of gulch, bears E. and W.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 19, 20, 29 and 30, with brass cap marked,

T28S R5E
S19 | S20

S30 | S29

1921

Subdivision of T. 28 S., R. 5 E.

Chains

From which,

A pinon, 10 ins. dia., bears N. 22° E., 183 lks.

dist., marked T28S R5E S20 BT.

A pinon, 8 ins. dia., bears S. 63° E., 79 lks..

dist., marked T28S R5E S29 BT.

A pinon, 6 ins. dia., bears S. 73° W., 68 lks.

dist., marked T28S R5E S30 BT.

A pinon, 6 ins. dia., bears N. 9° W., 150 lks.

dist., marked T28S R5E S19 BT.

Land, broken by sandstone ledges, with a general southerly exposure and drainage.

Soil, shallow, sandy, loam; mixed with blue clay; lying on sandstone bed rock.

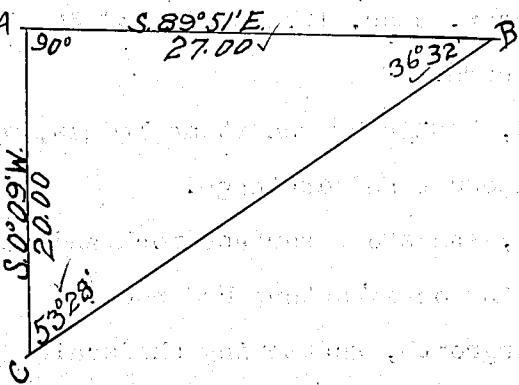
Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Fair grazing.

S. $89^{\circ}51'$ E., on random line bet. secs. 20 and 29.

18.73 Base of main ledge of the Capitol Reef Cliffs, bears NW. and SE. Chaining to the E. of this point is impossible, therefore determine the dist. to top of ledge by triangulation as follows. Set flag "A" at the 18.73 chs. point, and flag "B" on line E. at top of ledge. From flag "A", run a base line S. $0^{\circ}09'$ W., 20.00 chs. dist. and erect flag "C". From flag "B", flag "A" C, subtends an angle of $36^{\circ}32'$. All bearings checked by direct reading of the solar and all angles checked by deflection.



Distance on line E. between points 18.73 chs.

Distance by triangulation 27.00 chs.

45.73 chs.

Subdivision of T. 20 S., R. 5 E.

Chains

46.00 Joint for the temp. ; sec. cor., falls in inaccessible sandstone ledges.

45.73 To point of triangulation; set temp. witness ; sec. cor.

50.00 Intersect the N. and S. line, 21 lbs. S. of the cor. secs. 2d, 21, 28 and 29.

Thence,

West, on true line bet. secs. 20 and 29.

Descend gradually over broken top of NW. point of Meeks Mtns, through scattering undergrowth of shadscale and scattering cedar and pinon timber.

5.00 Swale, 30 ft. below cor., drains N.; ascend gradually.

27.00 Ridge, 50 ft. above swale, bears N. 75° W. and S. 75° E.; descend gradually over broken sandstone surface rock.

34.07 Point N. of triangulation point, on top rim of main ledge of the Capitol Reef Cliffs, 75 ft. below ridge, bears NW. and SW.; on sandstone surface rock, mark a cross (X) for exact P.O. point, over which, set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for witness cor. to the sec. cor. secs. 20 and 29, with brass cap marked,

S20	
WC	—————
S22	
1921	

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

No suitable bearing trees available.

46.00 Point for 1 sec.cor.; cor. not set.
51.27 Point N. of the triangulation point at base of main ledge of the Capitol Reef Cliffs, 500 ft. below the witness 1 sec. cor., bears NW. and SW.; descend gradually.

46.00 The cor. secs. 13, 20, 29 and 30, 110 ft. below base of ledge.

Land, broken by sandstone ledges, with a general southerly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon. Fair grazing.

Subdivision of T. 28 S., R. 5 E.

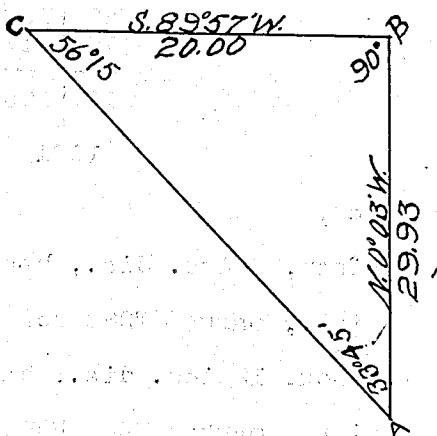
Chains	S. $89^{\circ}53'$ W., on random line bet. secs. 19 and 30. The main ledge of the Capitol Reef Cliffs, make chaining to the W. of this cor. impossible; I therefore offset as follows. S. $0^{\circ}03'$ E., 13.70 chs. S. $89^{\circ}50'$ W., 38.00 chs. N. $0^{\circ}03'$ W., 13.70 chs. to,
38.00	Point on true random line.
79.90	Intersect the W. bdy. of the township, 2 lks. S. of the cor. sec. 19, 24, 25 and 30. Thence, East, on true line bet. secs. 19 and 30. Ascend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
5.50	Spur, 50 ft. above cor., projects S.; descend gradually.
34.80	Draw, 30 ft. below spur, drains SW.; ascend gradually.
37.80	Spur, 25 ft. above draw, projects SW.; descend gradually.
39.90	On sandstone surface rock, 20 ft. below spur; mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	$\frac{1}{4}$ S19 $\frac{1}{4}$ S30 1921
	From which, A pinon, 8 ins. dia., bears N. 80° E., 42 lks. dist., marked $\frac{1}{4}$ S19 BT. A pinon, 6 ins. dia., bears S. 65° W., 90 lks. dist., marked $\frac{1}{4}$ S30 BT.
41.90	Base of main ledge of the Capitol Reef Cliffs, bears NW. and SE., about 500 ft. high; to avoid ledge, I offset as follows. S. $0^{\circ}03'$ E., 13.70 chs. East, 38.00 chs. N. $0^{\circ}03'$ W., 13.70 chs. to
79.90	The cor. secs. 19, 20, 29 and 30. Land, broken by sandstone ledges, with a general southerly exposure and drainage.

Subdivision of T. 28 S., R. 5 E.

Chains	<p>Soil, sandstone surface rock and shallow, sandy loam; lying on sandstone bed rock.</p> <p>Undergrowth, scattering shadscale.</p> <p>Timber, scattering cedar and pinon.</p> <p>Fair grazing.</p> <hr/> <p>N. $0^{\circ}03'$ W., bet. secs. 19 and 20, through scattering cedar and pinon timber.</p> <p>The main ledge of the Capitol Reef Cliffs, make chaining to the N. of this cor. impossible; I therefore determine the distance to top of ledge by triangulation as follows.</p> <p>Erect flag "A" at the sec. cor. and flag "B" on line N. at top of ledge. From flag "A", run a base line N. $89^{\circ}57'$ 5.00 chs. dist., and erect flag "C". From flag "C", flag "A" subtends an angle of $54^{\circ}09'$ from flag "B". All bearings checked by direct reading of the solar and all angles checked by deflection.</p>
6.22	<p>To point of triangulation at top of main ledge of the Capitol Reef Cliffs, 320 ft. above base, bears E. and W.; thence ascend gradually over broken top of reef.</p>
16.30	<p>Top of S. breaks of left fork of Spring Canyon, 150 ft. above top of reef, bears E. and W.. Sandstone breaks make chaining to the N. of this point impossible; I therefore determine the dist. across fork of Spring Canyon by triangulation as follows. Erect flag "A" at the 16.30 chs. point, and flag "B" on line N. at top of N. breaks of canyon. From flag "B", run a base line S. $89^{\circ}57'$ W., 20.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $56^{\circ}15'$ from flag "B". All bearings checked by direct reading of the solar and all angles checked by deflection.</p>

Subdivision of T. 28 S., R. 5 E.

Chains



Distance on line 16.30 chs.

Distance by triangulation 29.93 chs. /
/ 46.23 chs.

Approximate topography bet. point of triangulation.

- 35.00 Bottom of left fork of Spring Canyon, dry, 680 ft. below top of S. breaks, drains S. 70° E.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. falls in inaccessible sandstone ledges which form the N. breaks of canyon; no cor. set.
- 46.23 To point of triangulation at top of N. breaks of canyon, 600 ft. above bottom, bears E. and W.; on smooth sandstone surface rock, mark a cross (X) for exact cor. point, over which,

Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for witness $\frac{1}{2}$ sec. cor. to secs. 19 and 20, with brass cap marked,

S19 S20
W C
1921

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

Thence, ascend gradually over broken land.

- 75.70 Top of ridge, 175 ft. above top of breaks, bears E. and W.; descend abruptly.

- 80.00 On steep N. slope of ridge, 110 ft. below top, on sandstone surface rock, mark a cross(X) for exact cor. point, over which,

Set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for cor. secs. 17, 18, 19 and 20, with brass cap marked,

Subdivision of T. 28 S., R. 5 E.

Chains

T28S	R5E
S18	S17
<hr/>	
S19	S20

1921

From which,

A pinon, 6 ins. dia., bears N. 12° E., 11 lks.

dist., marked T28S R5E S17 BT.

A pinon, 12 ins. dia., bears S. 42° E., 32 lks.

dist., marked T28S R5E S20 BT.

A pinon, 10. ins. dia., bears S. $56^{\circ}30'$ W., 107 lks.

dist., marked T28S R5E S19 BT.

A pinon, 8 ins. dia., bears N. 89° W., 41 lks.

dist., marked T28S R5E S18 BT.

Land, broken by high sandstone ledges, with a general easterly exposure and drainage.

Soil, shallow, sandy, loam, and sandstone surface rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

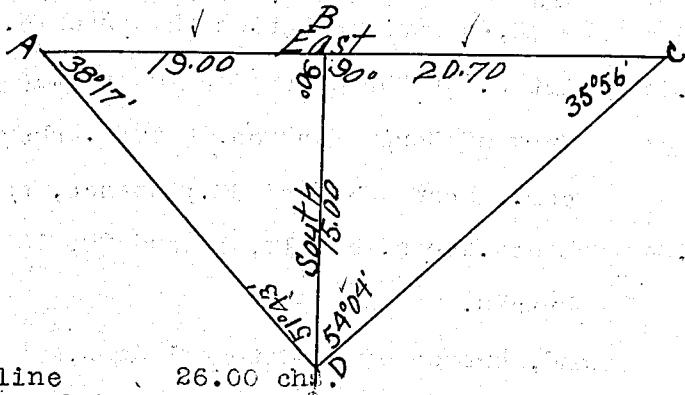
Fair grazing.

East, on random line bet. secs. 17 and 20.

26.00 Top of breaks of right fork of Spring Canyon, which make chaining to the E. of this point, impossible, I therefore determine the dist. to bottom of canyon and top of E. breaks, by triangulation as follows. Set flag "A" at the 26.00 chs. point, flag "B" on line E. in bottom of canyon and flag "C" on line E. at top of E. breaks. From flag "B", run a base line, S., 15.00 chs. dist. and erect flag "D". from flag "D", flag "A" subtends an angle of $51^{\circ}43'$ from flag "B" and flag "C" subtends an angle of $54^{\circ}04'$ from flag "B". All bearings checked by direct reading of the solar and all angles checked by deflection.

Subdivision of T. 28 S., R. 5 E.

Chains



Distance on line 26.00 chs.

Dist. by triangulations 39.70 chs.

65.70 chs.

46.00 Point for the temp. $\frac{1}{2}$ sec. cor. falls in inaccessible sandstone ledges.

45.00 To point of triangulation in bottom of canyon; set temp. witness $\frac{1}{2}$ sec. cor.

65.70 To point of triangulation at top of E. breaks of canyon.

80.04 Intersect the N. and S. line, 12 lks. S. of the cor. secs. 16, 17, 20 and 21.

Thence,

S. 89°55' W., on true line bet. secs. 17 and 20.

Descend gradually along steep N. slope of ridge through scattering undergrowth of shadscale and scattering cedar and pinon timber.

14.34 Top of abrupt descent over inaccessible sandstone ledges which is the E. breaks of the right fork of Spring Canyon, 75 ft. below sec. cor., bears NW. and SE.; and point N. of the triangulation point; thence by triangulation.

35.04 Point of triangulation point in bottom of right fork of Spring Canyon, 680 ft. below top of E. breaks, drains SE. Seeing that the true point for the $\frac{1}{2}$ sec. cor. will fall in inaccessible sandstone ledges, at this point.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the $\frac{1}{2}$ sec. cor. secs. 17 and 20, with brass cap marked,

S17
WC $\frac{1}{4}$ —
S20

1921

Raise mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

No suitable bearing trees available.

Subdivision of T. 28 S., R. 5 E.

Chains 40.02	Point for $\frac{1}{4}$ sec.cor. Cor. not set. Thence, by triangulation to top of W. breaks.
54.04	Point N. of the triangulation at top of W. breaks of right fork of Spring Canyon, 600 ft. above the witness $\frac{1}{4}$ sec. cor., bears NW. and SE.; thence, ascend gradually.
80.04	The cor. secs. 17, 18, 19 and 20, 150 ft. above top of W. breaks. Land, broken by sandstone ledges, with a general south-easterly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Fair grazing.
	West, on random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the W. bdy. of the township, at the true point for cor. secs. 13, 18, 19 and 24. Thence,
	East, on true line bet. secs. 18 and 19, from the true cor. point. Ascend abruptly over broken sandstone ledges through scattering undergrowth of shadscale and scattering cedar and pinon timber.
18.40	Top of white sandstone ridge, 380 ft. above true point for sec. cor., bears NW. and SE.; descend abruptly.
40.00	On steep NE. slope of ridge, 240 ft. below top. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked,

S18

S19

1921

From which,

A cedar, 6 ins. dia., bears N. 70° E., 9 lks.

dist., marked S18 ET.

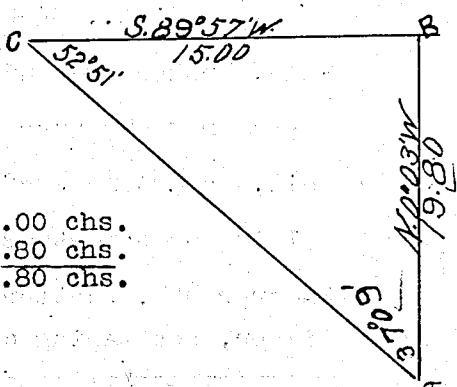
Subdivision of T. 28 S., R. 5 E.

Chains	A pinon, 10 ins. dia., bears S. 19° E., 47 lks. dist., marked $\frac{1}{4}$ S19 BT.
47.50	Draw, 160 ft. below the $\frac{1}{4}$ sec. cor., drains N.; ascend abruptly.
60.70	Spur, 140 ft. above draw, projects N.; descend gradually.
70.00	Draw, 100 ft. below spur, drains N.; ascend gradually.
80.00	The cor. secs. 17, 18, 19 and 20, 75 ft. above draw. Land, broken by sandstone ledges, with a general northerly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Good grazing.

N. $0^{\circ}03'$ W., bet. secs. 17 and 18.

Descend abruptly over sandstone surface rock through scattering undergrowth of shadscale and scattering cedar and pinon timber.

18.00 Top of S. breaks of the right fork of Spring Canyon, 150 ft. below cor., bears NW. and SE. Inaccessible sandstone ledges make chaining to the N. of this point, impossible; I therefore determine the dist. across fork of canyon by triangulation as follows. Erect flag "A" at the 18.00 chs. point; and flag "B" on line N. at top of N. breaks of canyon. From flag "B", run a base line S. $89^{\circ}57'$ W., 15.00 chs. dist. and erect flag "C". From flag "C", flag "A" subtends an angle of $52^{\circ}51'$ from flag "B". All bearings checked by direct reading of the solar and all angles checked by deflection.



Distance on line 18.00 chs.
Distance by triangulation 19.80 chs.
37.80 chs.

Subdivision of T. 28 S., R. 5 E.

Chains	
	Approximate topography bet. points of triangulation.
28.00	Bottom of right fork of Spring Canyon, 560 ft. below top of S. breaks, drains SE.; ascend abruptly over inaccessible sandstone ledges.
37.80	To point of triangulation at top of N. breaks of Spring Canyon, 560 ft. above bottom, bears NW. and SE.; thence, ascend abruptly over nearly inaccessible sandstone ledges.
40.00	Point for the $\frac{1}{4}$ sec. cor., falls on steep S. slope of smooth sandstone surface rock, where it is impossible to set a permanent iron post for cor.; I therefore mark on the smooth sandstone surface rock, cross (X) for exact cor. point, and below cross (X), mark $\frac{1}{4}$ S, for the $\frac{1}{4}$ sec. cor. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No suitable bearing trees available.
70.00	Sandstone spur, 175 ft. above N. rim of canyon, projects E.; descend gradually.
80.00	On gentle N. slope, 50 ft. below spur; no iron post being available, set a trachyte, 15 x 6 x 15 ins., 10 ins. in a mound of stone, marked with 4 grooves on S. face and 5 grooves on E. face, for cor. secs. 7, 8, 17 and 18. From which, A pinon, 6 ins. dia., bears N. 74° E., 53 lks. dist., marked T28S R5E S8 BT. A pinon, 6 ins. dia., bears S. 46° E., 40 lks. dist., marked T28S R5E S17 BT. A pinon, 6 ins. dia., bears S. 43° W., 25 lks. dist., marked T28S R5E S18 BT. A pinon, 6 ins. dia., bears N. 49° W., 21 lks. dist., marked T28S R5E S7 BT. Land, broken by sandstone ledges, with a general south-easterly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, scattering cedar and pinon. Fair grazing.

Subdivision of T. 28 S., R. 5 E.

Chains	
	N. $89^{\circ}55'$ E., on random line bet. secs. 8 and 17.
39.50	Set temp. witness $\frac{1}{4}$ sec. cor.
40.00	Point falls in bottom of wash.
80.00	Intersect the N. and S. line, 12 lks. N. of the cor. secs. 8, 9, 16 and 17. Thence,
	West, on true line bet. secs. 8 and 17. Descend gradually over broken land through scattering undergrowth of shadscale and scattering cedar and pinon timber.
14.40	Gulch, 60 ft. below cor., drains N. 70° E.; ascend abruptly.
24.40	Spur, 130 ft. above gulch, projects N.; descend abruptly.
40.00	Point for the $\frac{1}{4}$ sec. cor. falls in bottom of wash, 30 lks. wide, 10 ft. deep, drains N. 80° E.; no cor. set; ascend abruptly.
40.50	On red sandstone spur, 30 ft. above wash, projects S.; mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 8 and 17, with brass cap marked,
	S8 — WC S17 1921
	From which,
	A pinon, 6 ins. dia., bears N. 10° E., 15 lks. dist., marked WC + S8 BT.
	A pinon, 8 ins. dia., bears S. 65° E., 33 lks. dist., marked WC + S17 BT.
	Continue abrupt ascent.
69.30	Spur, 200 ft. above the witness $\frac{1}{4}$ sec. cor., projects S.; descend gradually.
80.00	The cor. secs. 7, 8, 17 and 18, 35 ft. below spur. Land, broken by sandstone ledges, with a general easterly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.

Subdivision of T. 28 S., R. 5 E.

Chains

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Fair grazing.

West, on random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.96 Intersect the W. bdy. of the township, 9 lks. N. of the cor. secs. 7, 12, 13 and 18.

Thence,

N. $89^{\circ}56'$ E., on true line bet. secs. 7 and 18.

Ascend gradually along broken N. rim of right fork of

Spring Canyon through scattering undergrowth of shadscale and scattering cedar and pinon timber.

39.96 On broken S. slope, 150 ft. above the sec. cor.; no iron post being available, set a hard, white, sandstone; 12 x 6 x 18 ins. 14 ins. in a mound of stone, marked $\frac{1}{4}$ S on N. face, for $\frac{1}{2}$ sec. cor.

From which,

A pinon, 6 ins. dia., bears N. 20° W., 15 lks.

dist., marked $\frac{1}{2}$ S7 BT.

A pinon, 10 ins. dia., bears S. 42° E., 22 lks.

dist., marked $\frac{1}{2}$ S18 BT.

Thence, descend abruptly.

45.00 Gulch, 110 ft. below cor., drains S.; ascend gradually.

70.40 Ridge, 75 ft. above gulch, bears N. 80° W. and S. 80° E. descend gradually.

79.96 the cor. secs. 7, 8, 17 and 18, 45 ft. below ridge.

Land, broken by sandstone ledges, with a general north-easterly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering cedar and pinon.

Fair grazing.

Subdivision of T. 28 S., R. 5 E.

Chains	N. 0°03' W., bet. secs. 7 and 8. Descend gradually over broken land through dense cedar and pinon timber and scattering undergrowth of shadscale.
13.50	South edge of opening, bears E. and W.
17.50	North edge of opening, bears E. and W.
24.70	South rim of deep gulch, 180 ft. below cor., bears E. and W.; descend abruptly.
30.00	Bottom of gulch, 200 ft. below top of S. rim, drains S. 80° E.; ascend abruptly.
36.00	Top of N. rim of gulch, 50 ft. above bottom, bears E. and W.; continue abrupt ascent.
40.00	On steep S. slope of ridge, 200 ft. above N. rim of gulch. Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,

S7 | S8
1921

From which,

A pinon, 8 ins. dia., bears S. 80° E., 24 lks.
dist., marked $\frac{1}{4}$ S8 BT:

A pinon, 8 ins. dia., bears West, 11 lks.
dist., marked $\frac{1}{4}$ S7 BT.

52.00	Top of ridge covered with dense cedar and pinon timber, 150 ft. above the $\frac{1}{4}$ sec. cor., bears N. 80° W. and S. 80° E.; descend abruptly.
75.20	Gulch, 545 ft. below ridge, drains E.; descend gradually.
80.00	On gentle NE. slope, 75 ft. below top of ridge, on sand-stone surface rock, mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 2 ins. dia., in a mound of stone, for cor. secs. 5, 6, 7 and 8, with brass cap marked,

T28S, R5E
S6 | S5

S7 | S8

1921

Subdivision of T. 28 S., R. 5 E.

Chains

From which,

A pinon, 6 ins. dia., bears N. 55° E., 7 lks.
dist., marked T28S R5E S5 BT.

A pinon, 10 ins. dia., bears SE., 22 lks.
dist., marked T28S R5E S8 BT.

A pinon, 8 ins. dia., bears S. $84^{\circ}30'$ W., 12 lks.
dist., marked T28S R5E S7 BT.

A pinon, 8 ins. dia., bears N. $18^{\circ}30'$ W., 14 lks.
dist., marked T28S R5E S6 BT..

Land, broken by deep gulches and sandstone ledges, with
a general easterly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy, loam;
lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, dense cedar and pinon.

Good grazing.

East, on random line bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

73.94 Intersect the N. and S. line, 5 lks. S. of the cor. secs.
4, 5, 8 and 9.

Thence,

S. $89^{\circ}58'$ W., on true line bet. secs. 5 and 8.

Descend gradually over broken land through scattering
undergrowth of shadscale and dense cedar and pinon timber.

8.00 Draw, 20 ft. below cor., drains S. 70° E.; ascend gradually.

16.00 Ridge, 70 ft. above draw, bears N. and S.; descend
gradually.

30.00 Wash, 40 lks. wide, 4 ft. deep, drains N. 60° E.; ascend
gradually.

39.97 On sandstone surface rock, 40 ft. above wash; no iron
post being available,

Set a hard red sandstone, 15 x 24 x 18 ins., 12 ins. in
a mound of stone, marked $\frac{1}{2}$ S on N. face, for $\frac{1}{2}$ sec. cor.

From which,

Subdivision of T. 28 S., R. 5 E.

Chains	
	A pinon, 6 ins. dia., bears N. $44^{\circ}30'$ E., 22 lks. dist., marked $\frac{1}{4}$ S5 BT..
	A pinon, 8 ins. dia., bears S. 40° W., 43 lks. dist., marked $\frac{1}{4}$ S8 BT..
71.00	Draw, 70 ft. above the $\frac{1}{4}$ sec. cor., drains N. 70° E.; ascend gradually.
79.94	The cor. secs. 5, 6, 7 and 8, 45 ft. above draw. Land, broken, with a general easterly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale.. Timber, scattering cedar and pinon in bottom of draws and dense cedar and pinon on slopes and tops of ridges. Good grazing.
	S. $89^{\circ}56'$ W., on random line bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the W. bdy. of the township, 9 lks. S. of the secs. 1, 6, 7 and 12. Thence, East, on true line bet. secs. 6 and 7. Ascend abruptly over broken sandstone ledges through scattering undergrowth of shadscale and dense cedar and pinon timber.
3.00	North point of sandstone spur, 50 ft. above cor.; descend abruptly.
40.00	On steep SE. slope, 470 ft. below sandstone point, on sandstone surface rock, mark a cross (X) for exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. dia., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	S6
	S7
	1921
	From which,

Subdivision of T. 28 S., R. 5 E.

Chains	
	A pinon, 8 ins. dia., bears N. 8° E., 32 lks. dist., marked $\frac{1}{2}$ S6 BT..
	A pinon, 8 ins. dia., bears S. 15° W., 23 lks. dist., marked $\frac{1}{2}$ S7 BT..
43.00	Draw, 60 ft. below the sec. cor., drains N. 10° E.; ascend gradually.
53.60	Ridge, 80 ft. above draw, bears N. and S.; descend abruptly
67.50	Gulch, 270 ft. below ridge, drains SE.; ascend abruptly.
70.00	Sandstone spur, 50 ft. above gulch, projects S.; descend gradually.
80.00	The cor. secs. 5, 6, 7 and 8, 75 ft. below spur. Land, broken, with a general northeasterly exposure and drainage. Soil, sandstone surface rock and shallow, sandy, loam; lying on sandstone bed rock. Undergrowth, scattering shadscale. Timber, dense cedar and pinon. Good grazing.
	N. $0^{\circ}02'$ E., on random line bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
72.38	Intersect the N. bdy. of the township, 5 lks. E. of the cor. secs. 5, 6, 31 and 32. Thence,
	South, on true line bet. secs. 5 and 6. Ascend gradually over broken land through scattering undergrowth of shadscale and dense cedar and pinon timber.
6.60	Ridge, 40 ft. above cor., bears E. and W.; descend gradually.
20.00	Draw, 30 ft. below ridge, drains SE.; continue gradual descent.
59.98	On gentle S. slope, 260 ft. below draw. Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bed rock and in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked,

Latitudes, Departures, And Closing Errors.

Chains

$\frac{1}{4}$
S6 S5
1921

From which

A pinon, 8 ins. dis., bears N. $82^{\circ}30'$ W., 30 lks.
dist., marked $\frac{1}{4}$ S6 BT.

A pinon, 14 ins. dia., bears S. $67^{\circ}15'$ E., 39 lks.
dist., marked $\frac{1}{4}$ S5 BT.

53.30 Gulch, 90 ft. below cor., drains S. 70° E.; ascend abruptly.

68.40 Spur, 250 ft. above gulch, projects E.; descend gradually.

79.98 The cor. secs. 5, 6, 7 and 8, 40 ft. below spur.

Land, broken, with a general easterly exposure and drainage.

Soil, sandstone surface rock and shallow, sandy, loam;
lying on sandstone bed rock.

Undergrowth, scattering shadscale.

Timber, scattering red pine to the W. of line, and dense
cedar and pinon on all of mile. Good grazing.

Latitudes, Departures, And Closing Errors.

Lines designated	True bearings	Dist- ances.	Latitudes	Departures		
		chs.	N. chs.	S. chs.	E. chs.	W. chs.
S.bdy.T28S R5E	N. $83^{\circ}51'$ E.	80.00	....21	.....	80.00	.....
	N. $83^{\circ}53'$ E.	40.17	....08	.....	40.17	.....
	N. $83^{\circ}57'$ E.	40.12	....04	.....	40.12	.....
	East	320.00	.....	.....	320.00	.....
E.bdy.T28S R5E	North	80.00	80.00	.....	.....	.....
N.bdy. sec. 36	West	80.00	.....	.....	.....	80.00
E.bdy. sec. 26	N. $0^{\circ}01'$ W.	80.00	80.00	.....	.....	....02
E.bdy. sec. 23	N. $0^{\circ}01'$ W.	80.00	80.00	.....	.....	....02
N.bdy. sec. 23	West	80.00	.....	.....	.....	80.00
N.bdy. sec. 22	West	80.00	.....	.....	.....	80.00
E.bdy. sec. 16	N. $0^{\circ}02'$ W.	80.00	80.00	.....	.....	....05
E.bdy. sec. 9	N. $0^{\circ}02'$ W.	80.00	80.00	.....	.....	....05
E.bdy. sec. 4	N. $0^{\circ}02'$ W.	80.00	80.00	.....	.....	....05
N.bdy.T28SSR5E	West	239.80	.....	.....	.....	239.80
V.bdy.T28S R5E	South	400.00	400.00	.....	.....	.....
	S. $0^{\circ}09'$ E.	36.95	.....	36.95	....10	.....
	S. $0^{\circ}10'$ W.	43.05	.....	43.05	.....	....13
Convergency		.....	.....	.....	.....	....40
		480.33	480.00	480.59	480.52	
		480.00			480.53	
		0.33			0.15	

General Description of T: 28 S., R. 5 E.

The land embraced in this township, in most places is broken by high sandstone ledges, deep gulches and canyons. The Capitol Reef Cliffs, which is a series of high, broken, sandstone ledges from 300 to 650 ft high, runs in a

General Description of T. 28 S., R. 5 E.

southeasterly direction through the township; entering it on the W. bdy. sec. 19, and leaving it at the NE. cor. sec. 36. These ledges are only accessible in one place, that being by a trail made in them, in the W. half of sec. 28. These ledges terminate about $1\frac{1}{2}$ miles to the W. of sec. 19.

Secs. 1, 2, 3, 10, 11, 12, 13, 14, 15, 24 and 25, consist of high, inaccessible, sandstone ledges, broken by deep box canyons and gulches and are unsurveyable.

Spring Canyon is the largest canyon in the township. This canyon runs in an easterly direction, and is boxed in with high, inaccessible, sandstone walls, from 300 to 650 ft. high. The only way of getting to the bottom of this canyon with stock, is by a trail made through an opening in the Capitol Reef Cliffs in the S. half of sec. 19.

The only permanent stream of water in the township, is Sulphur Creek, which is a stream of alkali water, about 10 lks. wide and 3 ins. deep, and runs in a southeasterly direction, entering the township on the W. bdy. sec. 30, and leaving it on the S. bdy. sec. 33.

A small stream which is the drainage water from a ranch located in the SE. cor. of sec. 36, T. 28 S., R. 4 E., runs in an easterly direction through the S. halves of secs. 31 and 32.

The entire township is covered with a scattering undergrowth of shadscale and from a scattering to medium dense growth of scrub cedar and pinon timber.

The township in general, is used for winter grazing range for stock. The only improvement was an alfalfa field in the SW. $\frac{1}{4}$ sec. 31, consisting of about 40 acres and belongs to James M. Pace who has a ranch in the SE. $\frac{1}{4}$ sec. 36, T. 28 S., R. 4 E. No indication of mineral was found. The magnetic declination was not taken on account of a defective needle.

U.S. Surveyor.

BOOK A-453

4-680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Verdin John	Chairman
Joe L. Wilks	Chairman
Adrian Cracraft	Flagman
Othell Bird	Cornerman

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Elliot Bird

, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 16th day of January, 1919, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Resurvey of the south bdy., and portion of the west bdy.; survey of portions of the east, north and west boundaries and portion of the subdivision of T. 28 S., R. 5 E.

of the Salt Lake Base.
And Meridian, in the State of Utah, which are represented in and date diagram on dates shown on said diagram in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Salt Lake City, Utah.

March 7, 1922.

Elliot R. Bird
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Oct. 31, 1922.

The foregoing field notes of the survey of the south boundary; resurvey and survey of the west boundary or First Guide Meridian East; and survey of portions of the east and north boundaries and subdivisional lines of Township No. 28 South, Range No. 5 East of the Salt Lake Base and Meridian, Utah;

executed by

Elliot Bird

under his special instructions dated

January 16

critically examined, and the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved.

E. J. Doremus
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.